

August 21, 2008

Mr. Steve Odil, P.E.
Municipal Solid Waste Permits Section
Waste Permits Division – MC 124
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

RE: Rock Prairie Road Landfill - Brazos County Municipal Solid Waste - Permit No. 1444C

Permit Modification - Ten-Foot Height Increase - Notice of Deficiency (NOD)

Tracking No. 12286509 RN100830090/CN600340194

Dear Mr. Odil:

We have prepared the attached responses to your technical notice of deficiency dated July 23, 2008 for the Rock Prairie Road Landfill Permit Modification application for a ten-foot height increase to improve drainage. For convenience, the attached contains a copy of the original comments followed by our responses. Also attached is one original, two unmarked copies, and one marked copy in redline/strikeout format per your request.

We have included revisions to the Site Development Plan (Part III), the Site Plan (Part III, Attachment 1), Cross Sections (Part III, Attachment 2), Drainage Plan (Part III, Attachment 6), the Final Contour Plan (Part III, Attachment 7), and the Site Operating Plan (Part IV). A copy of the 2003 approved Permit Modification documents are included for your convenience. Since that modification was not submitted in a replacement page format, our revisions have been annotated to show those revisions as approved as well as the proposed revisions for this modification.

If you have any further questions, please feel free to contact me at (214) 733-5911.

Sincerely,

HDR Engineering/Inc.

Michael W. Oden, P.E.

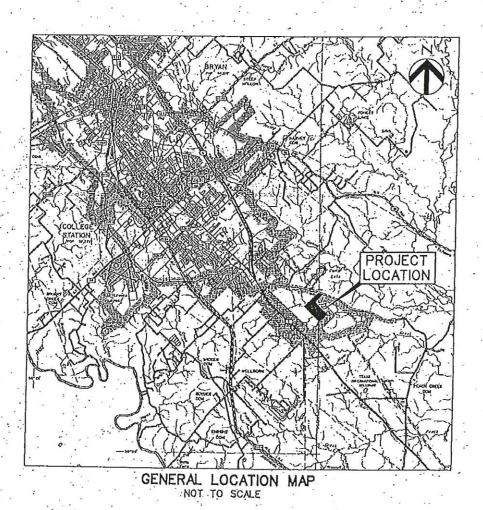
Project Manager

Enclosures

CC: Mr. Pete Caler - BVSWMA

Ms. Samantha Best - BVSWMA

ROCK PRAIRIE ROAD LANDFILL HEIGHT INCREASE MODIFICATION TCEQ PERMIT MSW 1444C



LIST OF DRAWINGS

- 0- COVER SHEET
- 1- SITE PLAN LAYOUT
- 2- LANDFILL SECTIONS LOCATION PLAN
- 3- TYPICAL FILL CROSS SECTIONS (3 THROUGH 7)

GENERAL NOTES

- 1. TOPOGRAPHIC MAPPING COMPILED BY DALLAS AERIAL SURVEY. DATE OF PHOTOGRAPH SEPTEMBER 26, 2002, ELEVATIONS ARE BASED ON NGVD 1929, SOME TOPOGRAPHIC FEATURES AND FACILITIES HAVE CHANGED SINCE THE DATE OF THIS MAPPING.
- 2. FINAL COVER THICKNESS VARIES. IN SUBTITLE D AREAS, FINAL COVER CONSISTS
 OF 2' EROSION LAYER OVER DRAINAGE GEOCOMPOSITE, OVER GEOMEMBRANE, OVER
 18" CLAY CAP, IN PRE-SUBTITLE D AREAS, FINAL COVER CONSISTS OF 6" EROSION
 LAYER OVER 18" CLAY CAP. TOP OF FINAL COVER ELEVATIONS ARE FIXED, AS SHOWN.
 BOTTOM OF FINAL COVER ELEVATIONS VARY AS DESCRIBED.

RISA W. FISHER

56680

SOISTERE

CLASSIAN

AND SOISTER

HR

HDR Engineering, Inc. 17111 Preston Road Suite 200 Dallas, Texas .75248

			**	74		26	*				. 2
-	-	-:				 		-	_	: 广	
-						 		Ė			
<u>-</u>	Description	-			•	 ***************************************	Date	Brea	Chia.	Rasp. Engr.	Prof.

This document is released under the authority of Risa W. Fisher, P.E. 56880.
It is not to be used for construction.

R. FISHER

Motiteet | IkC/Process |

Crit | Nathonical |

R. FISHER | Structural |

Designed | Designed |

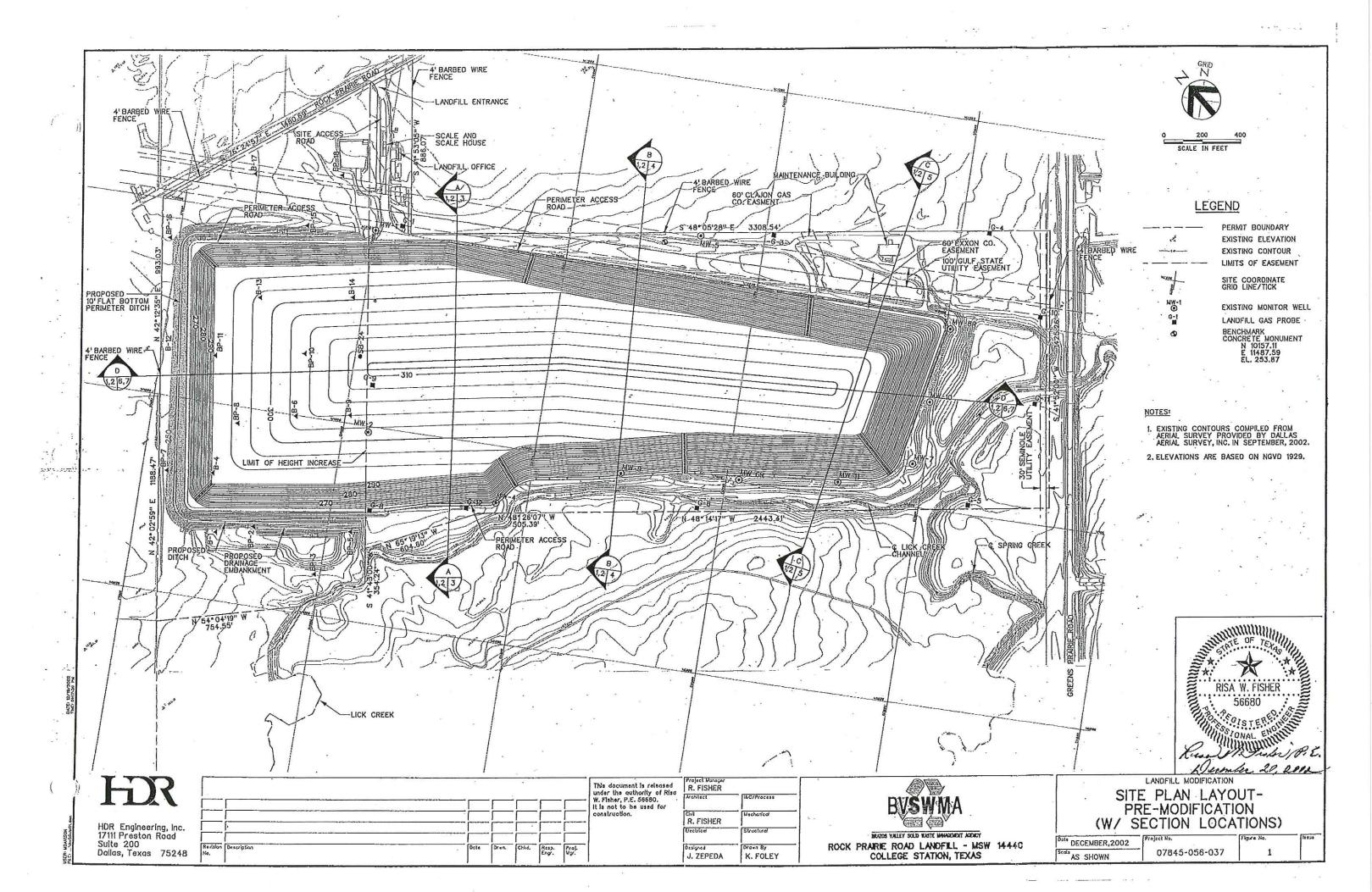
J. ZEPEDA | K. FOLEY

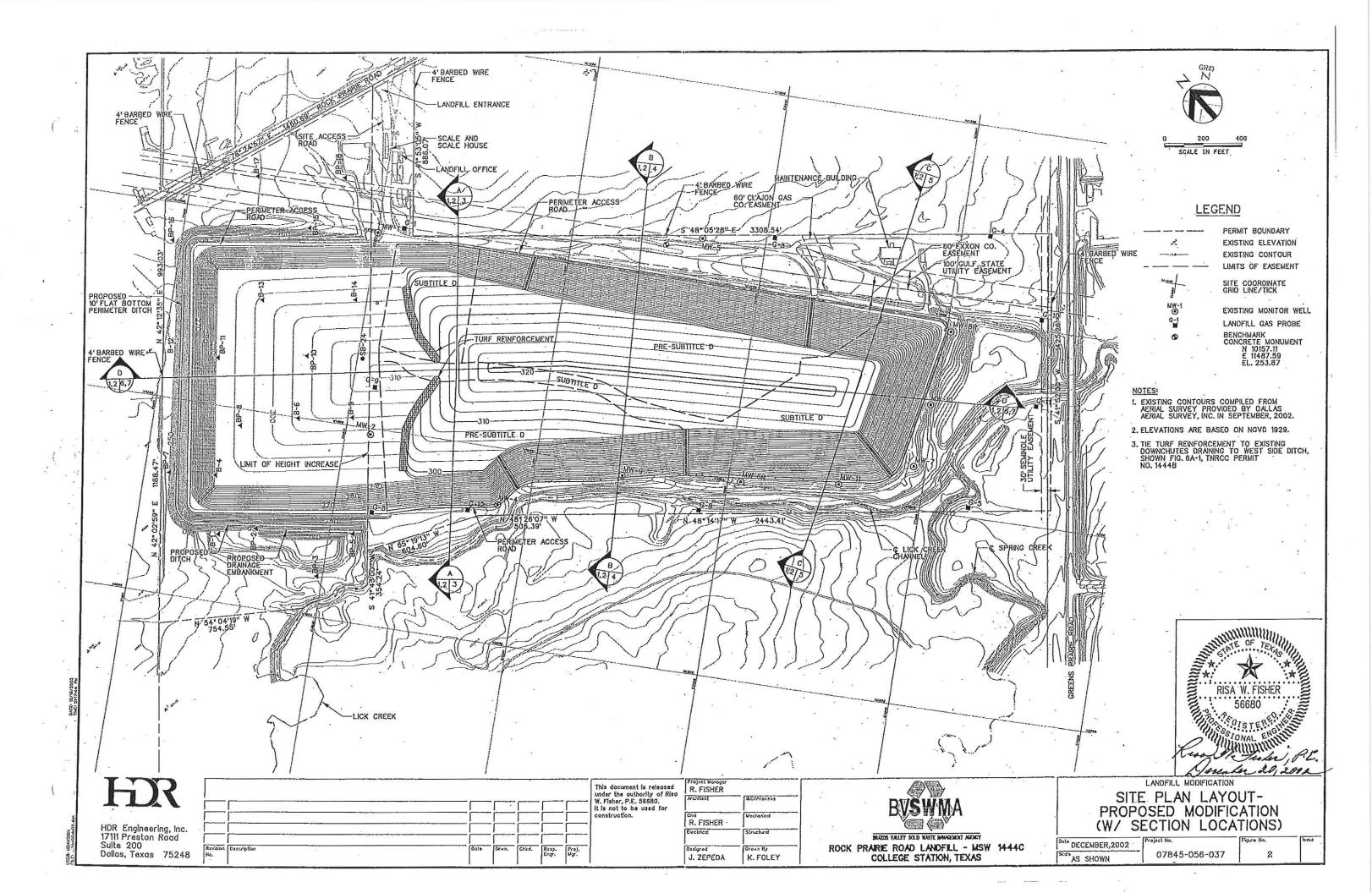


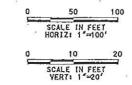
ROCK PRARIE ROAD LANDFILL - MSW 1444C COLLEGE STATION, TEXAS LANDFILL MODIFICATION

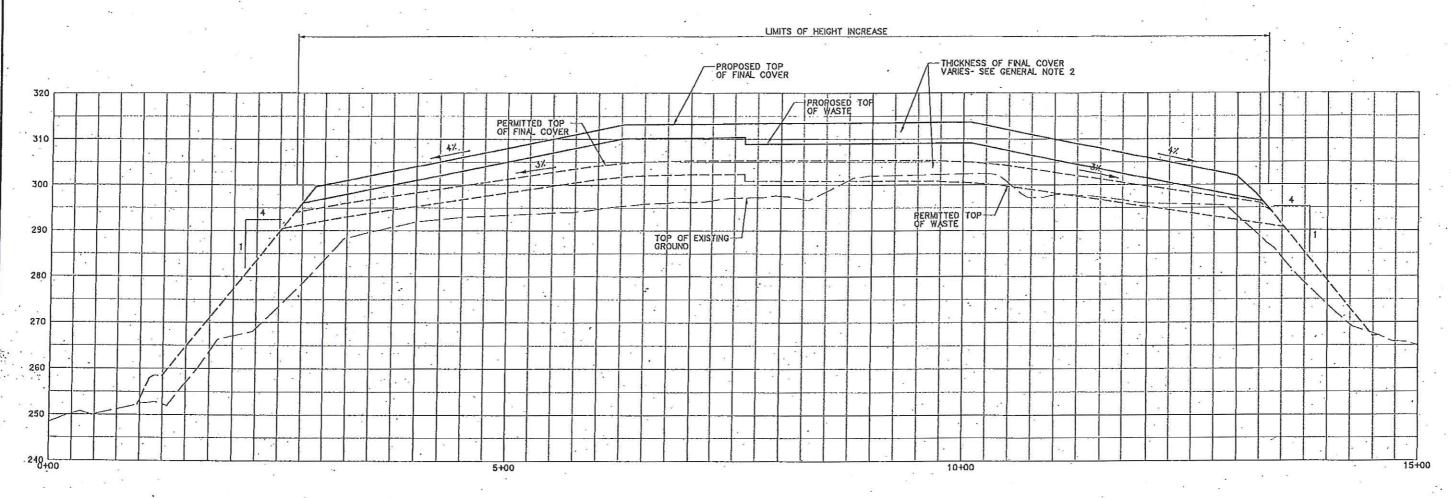
COVER SHEET

DECEMBER, 2002 Project No. 07845-056-037 0





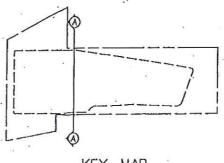




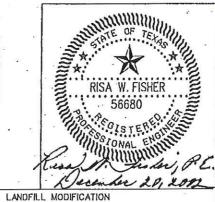


SECTION "A-A"

K. FOLEY



KEY MAP



HDR Engineering, Inc. 17111 Preston Road Suite 200 Dallos, Texas 75248

		-,		•	
		-			
n Description	Date	Dran.	OVE	Resp.	Proj.

This document is released under the outhority of Risa	R. FISHER
W. Fisher, P.E. 56680. It is not to be used for	Architect
construction,	R. FISHER
	Decirical
	J. ZEPEDA

ROCK	PR
\$ \$	٠

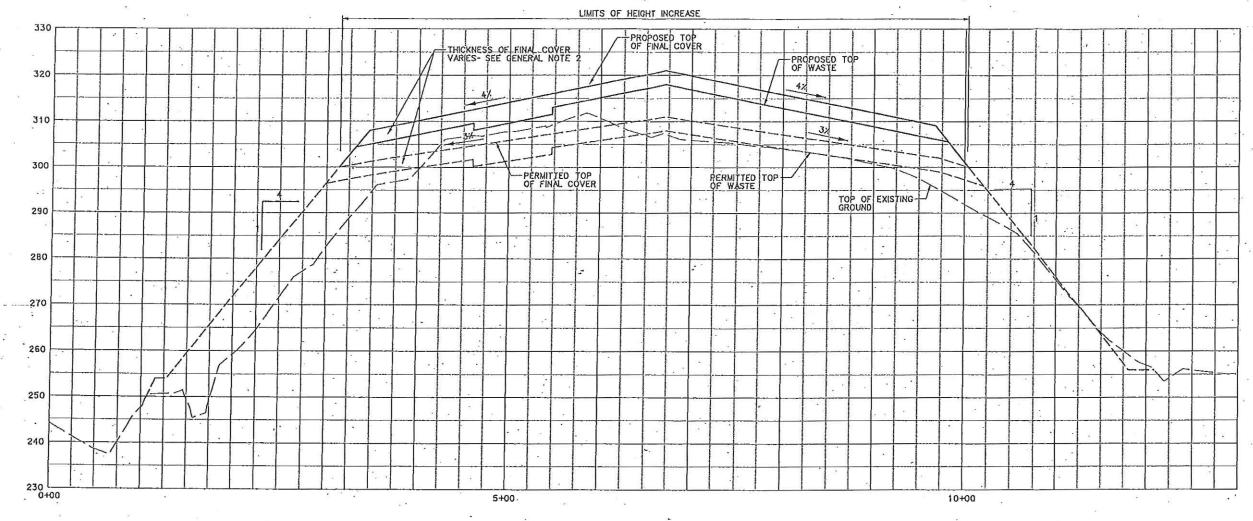
BUZOS VALLEY SOLD WATE WAVEFULT ADDOY.

RAIRIE ROAD LANDFILL - MSW 1444C

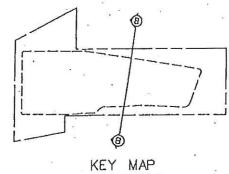
COLLEGE STATION, TEXAS

TYPICAL FILL CROSS SECTION SECTION A-A

Date DECEMBER, 2002	Project No.	Figure No.	Esus
AS SHOWN	07845-056-037	3	



SECTION "B-B"





HDR Engineering, Inc. 17111 Preston Road Suite 200 Dallas, Texas 75248

	 ·						un W.
	- W	 	-	-	-	-	Thi und W. It I
	 		<u> </u>	:[<u> </u>	
Description	 	 Dala	Dran	Cr.kd.	Resp.	Prol.	

This document is released under the authority of Risa W. Fisher, P.E. 56680.
It is not to be used for construction.
or Armiddian College The Case Statement

R. FISHER .	
Architect	ILC/Process
CA R. FISHER	Vecharica
Dectrical	Sirveturd
Ocsigned J. ZEPEDA	Creen By



ROCK PRARIE ROAD LANDFILL, - MSW 1444C COLLEGE STATION, TEXAS

TYPICAL FILL CROSS SECTION SECTION B-B

Date DECEMBER, 2002	Project No.	Figure No.	lasue
AS SHOWN	07845-056-037	4	1

SCALE IN FEET HORIZ: 1'=100' LIMITS OF HEIGHT INCREASE 330 THICKNESS OF FINAL COVER VARIES SEE GENERAL NOTE 2 PROPOSED TOP 320 PROPOSED TOP 310 300 PERMITTED TOP PERMITTED TOP-290 TOP OF EXISTING 280 270 260 250 240 230 0+00 5+00 10+00 C SECTION "C-C" KEY MAP R. FISHER LANDFILL MODIFICATION This document is released under the cuthority of Risa W. Fisher, P.E. 58680. It is not to be used for construction. TYPICAL FILL CROSS SECTION SECTION C-C

R. FISHER

J. ZEPEDA

K. FOLEY

BUZOS VALLEY SOLD WASTE WHADDENT ADDICY ROCK PRARIE ROAD LANDFILL - MSW 1444C COLLEGE STATION, TEXAS

DECEMBER, 2002

NWOHS SA SHOWN

07845-056-037

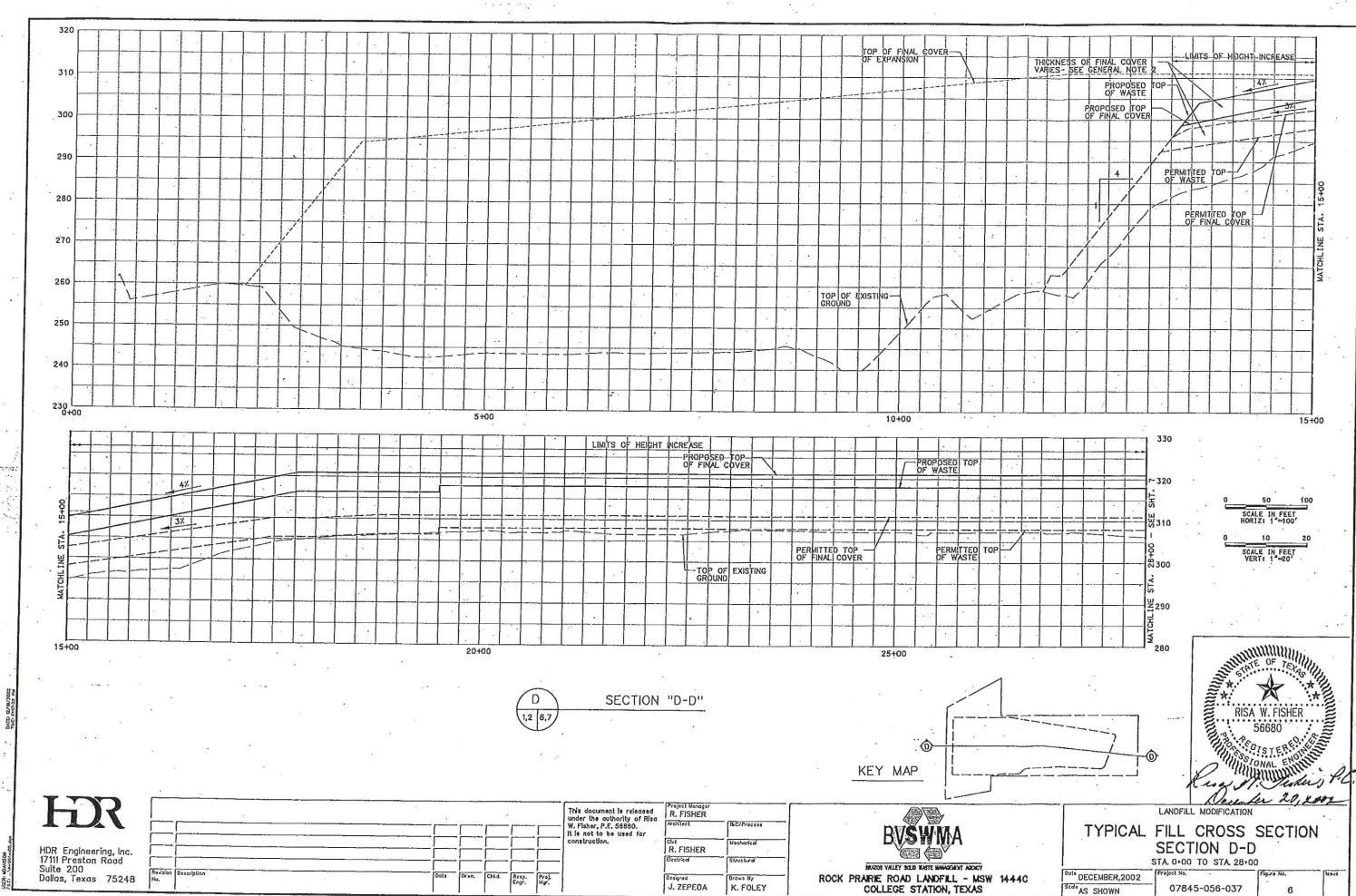
5

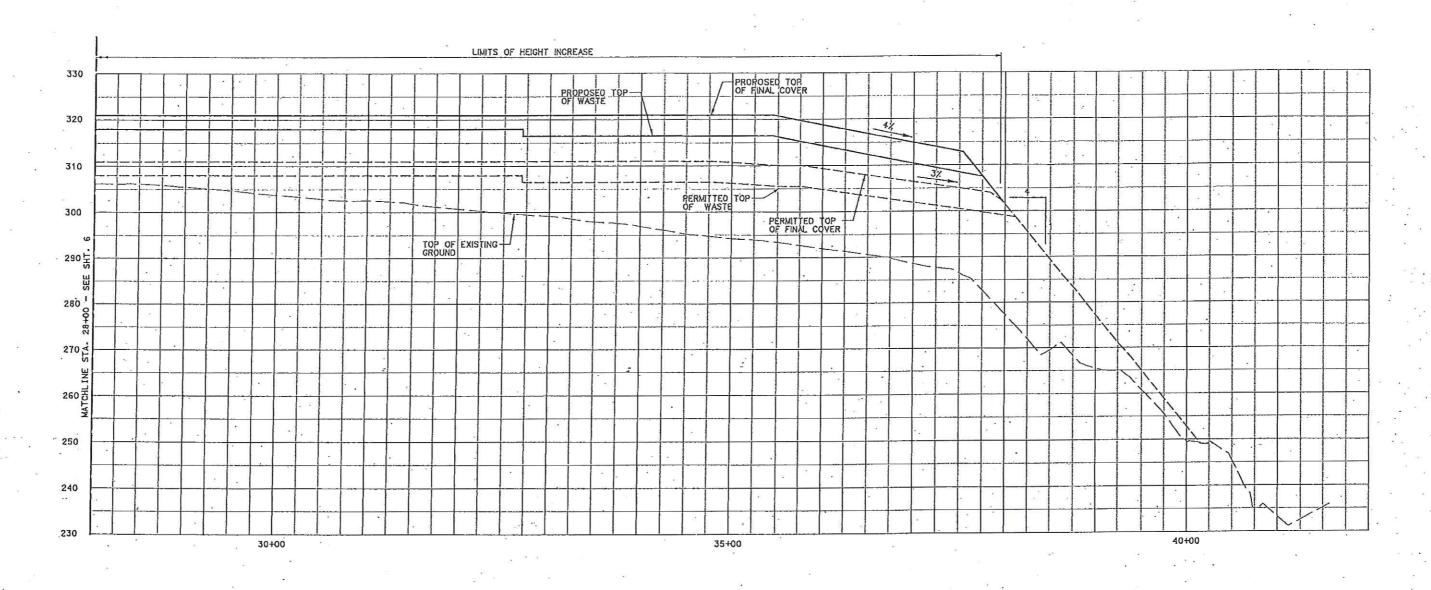
Dectrical

Resp. Proj. Ergr. Ngr.

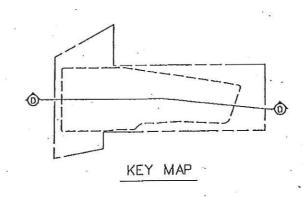
HDR Engineering, Inc. 17111 Preston Road Suite 200 Dollas, Texas 75248

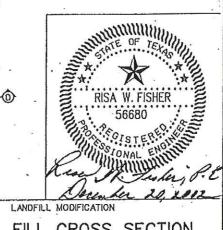
Revision Description





SECTION "D-D"





HDR Engineering, Inc. 17111 Preston Road Suite 200 Dallas, Texas 75248

This document is released under the cuthority of Risa W. Fisher, P.E. 56680. It is not to be used for construction. Resp. Engr.

R. FISHER R. FISHER Dectried J. ZEPEDA K. FOLEY BRAZOS YALLEY SOLD WASTE WANDEMENT ACCION

ROCK PRAIRIE ROAD LANDFILL - MSW 1444C COLLEGE STATION, TEXAS

TYPICAL FILL CROSS SECTION SECTION D-D STA 28+00 TO STA 42+00

December,2002 Scae AS SHOWN 07845-056-037 This document is a response to the technical notice of deficiency for the Modification to Permit No. MSW 1444C as provided by the Texas Commission on Environmental Quality to BVSWMA on July 23, 2008. The original comments are included below, and the responses to these comments are indicated in **bold** text.

1. Please provide a completed Part I form with your response. If certain information is not applicable, please indicate this on the form appropriately.

Response: A completed Part I form has been provided.

2. In accordance with §305.57(i), the owner or operator must provide a complete copy of the application for a modification requiring public notice, including all revisions and supplements to the application, on a publicly accessible internet website. Please provide a web address link for this posting.

Response: http://cstx.gov/home/index/asp?page=2621

3. In accordance with §330.39(h)(1), a \$150 fee must be paid for each permit modification application received after the effective date of the rule. Please send a check for \$150.00 to the TCEQ Cashiers Office, P.O. Box 13088, Austin, TX 78711-3088 with a letter or note attached to identify the permittee and to indicate the specific MSW permit MOD application. Processing of this SOP modification application cannot be completed until receipt of the required fee.

Response: A \$150.00 check has been sent to the TCEQ Cashiers Office along with a letter attached to identify the permittee and to indicate the specific MSW permit MOD application.

4. In accordance with §305.70(e)(5), notice modification requests must include an updated landowner map and list. Please provide an updated landowner map and list.

Response: An updated landowner map and list has been provided.

5. The information provided appears to be informational but is not provided in a format that is suitable for the inclusion in the permit, as required by §305.70(e)(3).

Response: Replacement pages are included for Part III, Part III Attachments 1, 2, 6 and 7 and Part IV. The revisions have been annotated to show the 2003 permit modification as well as this 2008 modification.

6. The modification will include a vertical increase of final contours over pre-Subtitle D areas. Please provide a figure that *clearly* distinguishes the Subtitle D and pre-Subtitle D areas. Figure 2 indicates that elevations on the southernmost part of the affected area are to be "lined or additional fill of inert material." For use of inert fill, please provide changes to the Site Operating Plan to inform landfill personnel of these practices. If the area will be lines, please provide details of the overliner system to meet the requirements of §330.331(a)(2). Also, there appears to be a small area near the southeasternmost corner of the affected area (an arrow points to it from a label indicating "LIMIT OF SLOPE MOD") that is pre-Subtitle D but is not designated to be lined or filled with inert materials. Please explain.

Response: A replacement page in Part IV Site Operating Plan under Section 5.0 Sequence of Development has been added to detail the use of inert materials or lining in accordance with the site SLQCP. Figure III Att. 1.1 has been modified to properly show location that inert materials will be placed.

END OF RESPONSES

2



Texas Commission on Environmental Quality

Permit or Registration Application for Municipal Solid Waste Facility

Part I

A. General Information

Facility Name:	Rock Prairie	Road Landfill		
Physical or Street Address (if available):	P.O. Box 9	960		
(City) (County)(State)(Zip Code):	College Station	Brazos	TX	77842
(Area Code) Telephone Number:	(979) 764-3	3832	*	
Charter Number:	N/A			

If the application is submitted on behalf of a corporation, provide the Charter Number as recorded with the Office of the Secretary of State for Texas.

Operator Name ¹ :	Brazos Valley Solid Waste Management Agency (BVSWMA)					
Mailing Address:	P.O. Box 99	960	500			
(City) (County)(State)(Zip Code):	College Station	Brazos	TX	77842		
(Area Code) Telephone Number:	(979) 764-3	690				
(Area Code) FAX Number:	(979) 764-3	822				
Charter Number:						

If the permittee is the same as the operator, type "Same as Operator".

Permittee Name:	Same as Operator	
Physical or Street Address (if available):		
(City) (County)(State)(Zip Code):	TX	
(Area Code) Telephone Number:		
Charter Number:		

If the application is submitted by a corporation or by a person residing out of state, the applicant must register an Agent in Service or Agent of Service with the Texas Secretary of State's office and provide a complete mailing address for the agent. The agent must be a Texas resident.

Agent Name:	
Mailing Address:	
(City) (County)(State)(Zip Code):	
(Area Code) Telephone Number:	

¹ The operator has the duty to submit an application if the facility is owned by one person and operated by another [30 TAC 305.43(b)]. The permit will specify the operator and the owner who is listed on this application [Section 361.087 Texas Health and Safety Code].

1	Permit]	Major Amer				Mino	or Amendment		
Registration				Modification	n			Temp	orary	Authorization	
			1	w/Public No	P1 - 20 1 - 20 2						
]_	w/out Public	Notic Notic	e		Notic	e of I	Deficiency Response	
	llite Olean Mination										
-ac	ility Classification: Type I		Гуп	pe IV		Type V			П	Type IX	
쓱	Type I AE			pe IV AE		Type V				Type IX	
	TypeTAE		ı yı	DC IV AL		Type v	,				
∖cti	vities covered by this	s applica	atio	on (check all th	hat app	oly):					
	Storage			Processing				Dis	posal		
		*				10					
<u>Na</u>	ste management uni	ts cover			ation (apply):		7 1011	
	Containers		T	Tanks		Surface			\boxtimes	Landfills	
_	Tarianatan		-	James antina		Type IV	Impoundments		П	Truciv	
	Incinerators			Composting		Demonstration		on	Ш	Type IX Energy/Material	
						Unit	ııaıı	on		Recovery	
\neg	Other (Specify)			A CHARLES OF THE PARTY OF THE P	П	Other (S	Speci	ifv)		Receivery	
=					12						
	Other (Specify)					Other (S	speci	ify)			
s th	nis submittal part of a		lida	ated Permit Pr	rocessi	ing reques	st, in	accord	ance	with 30 TAC Chapte	
_		-70									
f y	es, state the other To	CEQ pro	ogr	am authorizat	ions re	quested.					
Dro	vide a brief descript	ion of th	na	nortion of the	facility	v covered	by 1	hie an	dication	on For amendo	
	difications, and temp										
peri	mit or registration c	ondition	s a	and supportin	g docu	iments re	ferer	nced by	the	permit or registration	
Also	o, provide an expla	anation	of	why the am	endme	ent, modif	icati	on, or	temp	orary authorization	
	uested.										

If yes, cross-reference the confidential material throughout the application and submit as a separate document or binder conspicuously marked "CONFIDENTIAL."

Bilingual Notice Instructions

For certain permit applications, public notice in an alternate language is required. If an elementary school or middle school nearest to the facility offers a bilingual program, notice may be required to be published in an alternative language. The Texas Education Code, upon which the TCEQ alternative language notice requirements are based, trigger a bilingual education program to apply to an entire school district should the requisite alternative language speaking student population exist. However, there may not exist any bilingual-speaking students at a particular school within a district which is required to offer the

bilingual education program. For this reason, the requirement to publish notice in an alternative language is triggered if the nearest elementary or middle school, as a part of a larger school district, is required to make a bilingual education program available to qualifying students and either the school has students enrolled at such a program on-site, or has students who attend such a program at another location in satisfaction of the school's obligation to provide such a program as a member of a triggered district.

If it is determined that a bilingual notice is required, the applicant is responsible for ensuring that the publication in the alternate language is complete and accurate in that language. Electronic versions of the Spanish template examples are available from the TCEQ to help the applicant complete the publication in the alternative language.

Bilingual Notice Application Form:

Bilingual no	tice confirm	ation for th	is application:
--------------	--------------	--------------	-----------------

Bilingual notice	e confirmation for this application:
1.	Is a bilingual program required by the Texas Education Code in the school district where the facility is located? $\ \ \square$ YES $\ \ \boxtimes$ NO
	(If NO, alternative language notice publication not required)
2.	If YES to question 1, are students enrolled in a bilingual education program at either the elementary school or the middle school nearest to the facility? \square YES \square NO
(IF YES to qui consider the ne	estions 1 and 2, alternative language publication is required; If NO to question 2, then ext question)
3.	If YES to question 1, are there students enrolled at either the elementary school or the middle school nearest to the facility who attend a bilingual education program at another location? \square YES \square NO
(If Yes to que consider the ne	estions 1 and 3, alternative language publication is required; If NO to question 3, then ext question)
4.	If YES to question 1, would either the elementary school or the middle school nearest to the facility be required to provide a bilingual education program but for the fact that it secured a waiver from this requirement, as available under 19 TAC '89.1205(g)? YES NO
	stions 1 and 4, alternative language publication is required; If NO to question 4, alternative e publication not required)
	education program(s) is provided by either the elementary school or the middle school facility, which language(s) is required by the bilingual program?
	ants for new permits and major amendments must make a copy of the administratively cation available at a public in the county where the facility is, or will be, located for review

Public place where administratively complete permit application will be located.								
Public Place (e.g., public library, county court house, city hall, etc.):	City of College Station - Department of Public Works							
Mailing Address:	2613 Texas Avenue							

and copying by the public.

(City) (County)(State)(Zip Code):	College	Brazos	TX	77842
Except for Type I AE and Type IV AE la	ndfill facilities, f		trations, an	nendments, and
modifications requiring public notice, pro-				le internet web
site where the application and all revisions		n will be posted.		
http://cstx.gov/home/index/asp?page=2621				
S = 116-1				
3. Facility Location				
Local Government Jurisdiction: N/A				
Within City Limits of: City of College Sta	ation			
Within Extraterritorial Jurisdiction of City o				
Is the proposed municipal or industrial sol				
which the governing body of the municipal				processing of
municipal or industrial solid waste? (If YE ☐ YES ☐ NO	S, provide a copy	y or the ordinance	e or order).	
Provide a description of the location of the	facility with resp	ect to known or e	easily identi	fiable
landmarks.				
Type I facility located on approximately 1				
between State Highway (SH) 6 and Loop	507 within the Ci	ity limits of Colle	ege Station,	Texas.
Datail the access toutes from the negrent	United Ctates or	atata highway ta	the facility	
Detail the access routes from the nearest From State Highway (SH) 6, exit Rock Pr				dfill entrance
Trom state riighway (511) 0, can Rock 11	ante Road and in	ad southeast 2.5	inites to lai	idilii ciittalice.
Provide the latitudinal and longitudinal geog	raphic coordinate	es of the facility.		
Latitude N 30° 34' 53"				N
Longitude W 96° 15' 22"				
Elevation (above msl) 253.87 ft				
Is the facility within the Coastal Manageme	ent Program bou	ndary? \ \ \ \ \ \ \ \ \ \ \	es 🛛 No	k)
To the facility William the Seastar Mariagem	oner rogram boar		2 23.110	
Texas Department of Transportation District				
TXDOT District Name & Number:	Bryan - Distric			
District Engineer's Name:	Bryan Alan Wo			
Street or P. O. Box:	1300 North Te			T==000
(City) (County)(State)(Zip Code):	Bryan	Brazos	TX	77803
(Area Code) Telephone Number:	(979) 778-9600			
(Area Code) FAX Number:	(979) 778-9764	+		
The local governmental authority or agency	responsible for re	oad maintenance	·	
Contact Person's Name:		City of College S		
Street or P. O. Box:	2613 Texas Av			11
(City) (County)(State)(Zip Code):	College	Brazos	TX	77840
	Station			
(Area Code) Telephone Number:	(979) 764-3690			
(Area Code) FAX Number:	(979) 764-3489)		

State Representative:

District Number:	14					
State Representative's Name:	Fred Brown					
District Office Address:	1920 West Villa Maria Road Suite 303					
(City) (County)(State)(Zip Code):	Bryan	Brazos	TX	77807		
(Area Code) Telephone Number:	(979) 822-9797					
(Area Code) FAX Number:	(979) 822-7979					

State Senator:

District Number:	5	5					
State Senator's Name:	Steve Ogden						
District Office Address:	3740 Copp	3740 Copperfield Dr., Suite 103					
(City) (County)(State)(Zip Code):	Bryan	Brazos	TX	77802			
(Area Code) Telephone Number:	(979) 776-	0521	•				
(Area Code) FAX Number:	(979) 776-	(979) 776-8951					

Council of Government (COG) Information:

COG Name:	Brazos Va	Brazos Valley Council of Governments					
COG Representative's Name:	Tom Wilkin	Tom Wilkinson, Jr.					
COG Representative's Title:	Executive	Executive Director					
Street or P. O. Box:	P. O. Box	P. O. Box Drawer 4128					
(City) (County)(State)(Zip Code):	Bryan Brazos TX						
(Area Code) Telephone Number:	(979) 595-	(979) 595-2800					
(Area Code) FAX Number:	(979) 595-	(979) 595-2810					

River Basin Information:

River Authority:	Brazos Riv	Brazos River Authority					
Contact Person's Name:	Phil Ford,	Phil Ford, General Manager					
Watershed Sub-Basin Name:	Navasota	Navasota					
Street or P. O. Box:	P.O. Box 7	P.O. Box 7555					
(City) (County)(State)(Zip Code):	Waco	McLennan	TX	76714			
(Area Code) Telephone Number:	(254) 761-	(254) 761-3100					
(Area Code) FAX Number:	(254) 761-	(254) 761-3207					

This site is located in th	e following District of	the U.S. Army Corps	of Engineers:	
Albuquerque, NM	☑ Ft. Worth, TX	☐ Galveston, TX	☐ Tulsa, OK	

C. Maps

General

For permits, registrations, and amendments only, submit a topographic map, ownership map, county highway map, or a map prepared by a registered professional engineer or a registered surveyor which

shows the facility and each of its intake and discharge structures and any other structure or location regarding the regulated facility and associated activities. Maps must be of material suitable for a permanent record, and shall be on sheets 8-1/2 inches by 14 inches or folded to that size, and shall be on a scale of not less than one inch equals one mile. The map shall depict the approximate boundaries of the tract of land owned or to be used by the applicant and shall extend at least one mile beyond the tract boundaries sufficient to show the following:

each well, spring, and surface water body or other water in the state within the map area;

the general character of the areas adjacent to the facility, including public roads, towns and the nature of development of adjacent lands such as residential, commercial, agricultural, recreational, undeveloped, etc;

the location of any waste disposal activities conducted on the tract not included in the application; and

the ownership of tracts of land adjacent to the facility and within a reasonable distance from the proposed point or points of discharge, deposit, injection, or other place of disposal or activity.

General location maps

For permits, registrations, and amendments only, submit at least one general location map at a scale of one-half inch equals one mile. This map shall be all or a portion of a county map prepared by Texas Department of Transportation (TxDOT). If TxDOT publishes more detailed maps of the proposed facility area, the more detailed maps shall also be included in Part I. Use the latest revision of all maps.

Land ownership map

Provide a map that locates the property owned by adjacent and potentially affected landowners. The maps should show all property ownership within 500 feet of the facility, on-site facility easement holders, and all mineral interest ownership under the facility.

Landowners list

Provide the adjacent and potentially affected landowners' list, keyed to the land ownership map with each property owner's name and mailing address. The list shall include all property owners within 500 feet of the facility, easement holders, and all mineral interest ownership under the facility. Provide the property, easement holders', and mineral interest owners' names and mailing addresses derived from the real property appraisal records as listed on the date that the application is filed. Provide the list in electronic form, as well.

D. Property owner information

For permits, registrations, amendments, and modifications that change the legal description, a change in owner, or a change in operator only, provide the following:

- (1) the legal description of the facility;
 - (A) the abstract number as maintained by the Texas General Land Office for the surveyed tract of land;
 - (B) the legal description of the property and the county, book, and page number or other generally accepted identifying reference of the current ownership record;
 - (C) for property that is platted, the county, book, and page number or other generally accepted identifying reference of the final plat record that includes the acreage encompassed in the application and a copy of the final plat, in addition to a written legal description;

- (D) a boundary metes and bounds description of the facility signed and sealed by a registered professional land surveyor;
- (E) on-site easements at the facility, and
- (F) drawings of the boundary metes and bounds description; and
- (2) a property owner affidavit signed by the owner.

E. Legal authority

Provide verification of the legal status of the owner and operator, such as a one-page certificate of incorporation issued by the secretary of state. List all persons having over a 20% ownership in the proposed facility.

Indic	ate Owners	shin s	tatus of the faci	litv:					
	Private		Corporation		Partnership		Proprietorship		Non-Profit Organization
\boxtimes	Public		Federal		Military		State		Regional
	County		Municipal		Other (Specify)				,
If "No	o," for perm	nits, r	egistrations, am	nendr		ificatio	ns that changes		gal description, a
					s submit a copy propriate, and id		lease for the use	e of or	the option to buy
Own	er Name:								
Stree	et or P. O. E	Box:					3		
(City	(County)	State	e)(Zip Code):	All I					
(Area	a Code) Tel	epho	ne Number:						1
(Area	a Code) FA	X Nu	mber:						
Char	ter Number	1:							
F.	Evidence	e of c	competency		-				
in ov	vner, or a	chan	ge in operators	s sub		Texa			cription, a change at the owner and
S	ite Name		Site Type	I	Permit/Reg. No.		County	Date	es of Operation
N/A									

Submit a list of all solid waste sites in all states, territories, or countries in which the owner and operator have a direct financial interest.

Site Name	Location	Dates of Operation	Regulatory Agency (Name & Address)
Rock Prairie	College Station,	-Present	TCEQ, P.O. Box 13087, Austin,
Road Landfill	TX		Texas 78711-3087

A licensed solid waste facility supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations will be employed before commencing facility operation.

Provide the names of the	he principals and supervisors of	the owner's and operator's organization,
together with previous affi	liations with other organizations er	ngaged in solid waste activities.
Name	Previous Affiliation	Other Organization
N/A		

For landfill permit applications only, evidence of competency to operate the facility shall also include landfilling and earthmoving experience if applicable, and other pertinent experience, or licenses as described in 30 TAC Chapter 30 possessed by key personnel. The number and size of each type of equipment to be dedicated to facility operation will be specified in greater detail on Part IV of the application within the site operating plan.

Landfilling/Earthmoving Equipment Types	Personnel Experience or Licenses
N/A	

For mobile liquid waste processing units, submit a list of all solid waste, liquid waste, or mobile waste units that the owner and operator have owned or operated within the past five years. Submit a list of any final enforcement orders, court judgments, consent decrees, and criminal convictions of this state and the federal government within the last five years relating to compliance with applicable legal requirements relating to the handling of solid or liquid waste under the jurisdiction of the commission or the United States Environmental Protection Agency. Applicable legal requirement means an environmental law, regulation, permit, order, consent decree, or other requirement.

vears	
N/A	

G. Appointments

Provide documentation that the person signing the application meets the requirements of 30 TAC §305.44, Signatories to Applications. If the authority has been delegated, provide a copy of the document issued by the governing body of the owner or operator authorizing the person that signed the application to act as agent for the owner or operator.

H. Application Fees

For a new permit, registration, amendment, modification, or temporary authorization, submit a \$150 application fee.

For authorization to construct an enclosed structure over an old, closed municipal solid waste landfill in accordance with 30 TAC 330 Subchapter T, submit a \$2,500 application fee.

If paying by check, send payment to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P. O. Box 13087 Austin, Texas 78711-3087

Payment maybe made online using TCEQ e-pay at www.tceq.state.tx.us/e-services/
E-pay confirmation number

PROPERTY OWNER AFFIDAVIT

"],	
(property owne	r)
acknowledge that the State of Texas may hold me either maintenance, and closure and post-closure care of the closure, I acknowledge that I have a responsibility to fill public advising that the land will be used for a solid was begins operating as a municipal solid waste landfill facil disposal operations and closure of the landfill units in active saccess to the property during the active life and for the purpose of inspection and maintenance."	er jointly or severally responsible for the operation facility. For a facility where waste will remain afte le with the county deed records an affidavit to the ste facility prior to the time that the facility actually ity, and to file a final recording upon completion occordance with Title 30 Texas Administrative Code at I or the operator and the State of Texas shall
(Owner signature)	(Data)
(Owner signature)	(Date)

Signature Page

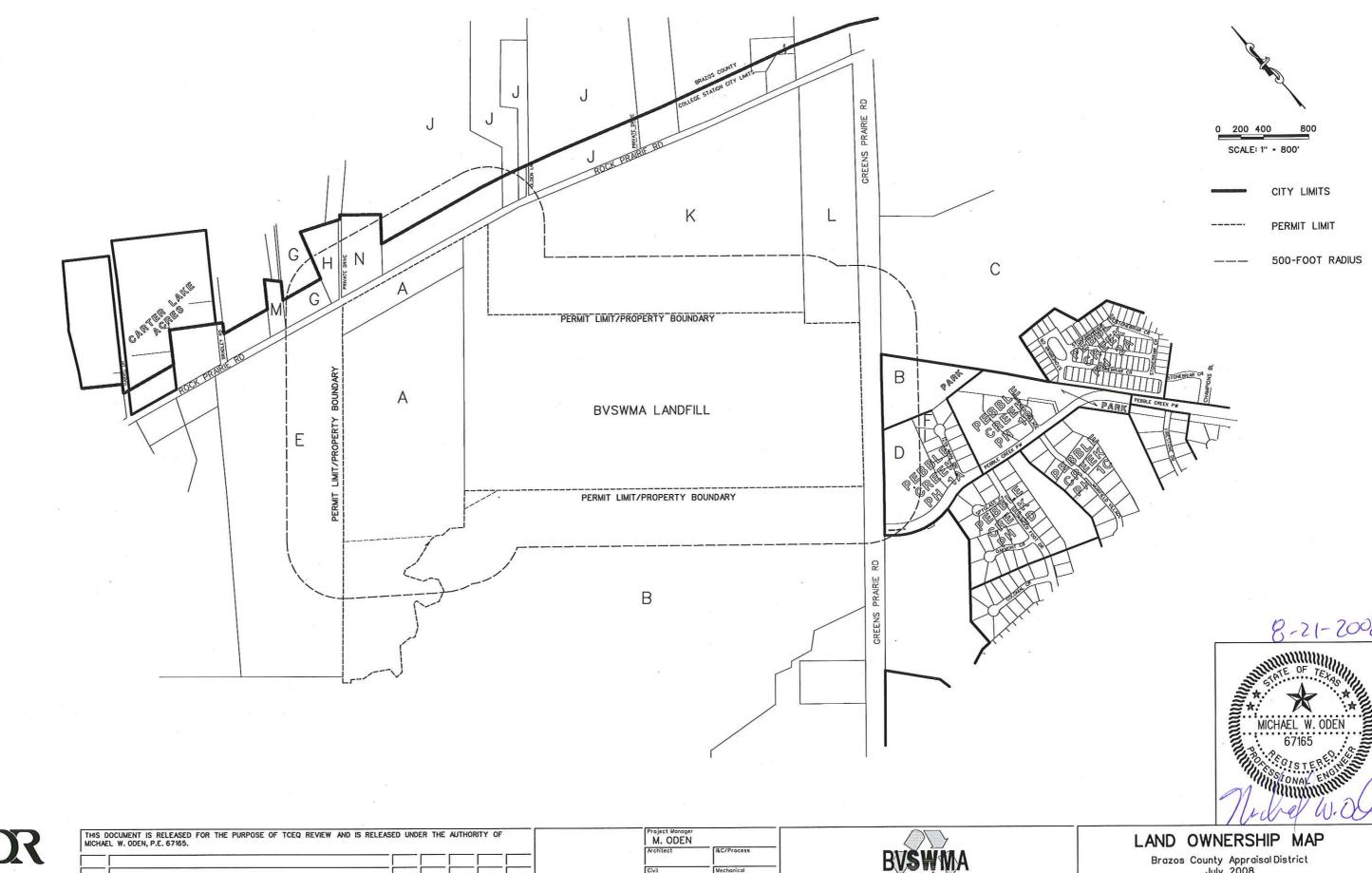
l,	(Operator)	, (Title)
supervision in evaluate the in system, or those to the best of	accordance with a system oformation submitted. Esse persons directly respond my knowledge and belie	cument and all attachments were prepared under my direction of m designed to assure that qualified personnel properly gather and Based on my inquiry of the person or persons who manage the possible for gathering the information, the information submitted is f, true, accurate, and complete. I am aware there are significant on, including the possibility of fine and imprisonment for knowing
Signature:		Date:
TO BE COMP	LETED BY THE OPERA	ATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED
i .		haraby decignate
(Print o	or Type Operator Name)	, hereby designate(Print or Type Representative Name)
information as Texas Commis Texas Solid Wa application, for	may be requested by the sion on Environmental C aste Disposal Act permit. oral statements given b	prize said representative to sign any application, submit additional e Commission; and/or appear for me at any hearing or before the Quality in conjunction with this request for a Texas Water Code or I further understand that I am responsible for the contents of this y my authorized representative in support of the application, and anditions of any permit which might be issued based upon this Printed or Typed Name of Operator or Principal Executive Officer
		Signature
SUBSCRIBED	AND SWORN to before	me by the said
		,,,,,,,
		Notary Public in and for
		County, Texas
(Note: Applicat	tion Must Bear Signature	& Seal of Notary Public)

TCEQ Part I Application TCEQ-0650 (Rev. 07/20/06)

BVSWMA Rock Prairie Road Landfill Adjacent Property Owners As of July 2008

Map Ref	Acres	ID	Owner's Name & Address
A	7.17 68.00	R10579 R10578	BVSWMA P.O. Box 9960 College Station, TX 77842
В	384.19 6.70	R10581 R88895	City of College Station P.O. Box 9973 College Station, TX 77842
С	258.21	R88855	Pebble Creek Country Club, Inc. c/o Pebble Creek Development Company 4500 Pebble Creek Pkwy College Station, TX 77845
D	8.10	R88856	Pebble Creek Development Company c/o Young Brothers PO Drawer 1800 Waco, TX 76703
Е	68.56	R10644	City of College Station P.O. Box 9973 College Station, TX 77842
F	0.56	R88864	Charles L. Brenton III Terri Bond Brenton 1111 12 th Man Circle College Station, TX 77845
G	10.00 2.35	R10703 R10704	Kay H. Durr 10 Overlook Ct. Hampton, VA 23669
Н	3.37	R10685	Nita M. Holliday 7003 Rock Prairie Road College Station, TX 77845
I	0.35	R88865	William L. & Katherine E. Mies 1109 12 th Man Circle College Station, TX 77845-8979
J	66.39 8.61 28.61 49.44	R10591 R10592 R303078 R10665	Dolly Olden/Arthur D. Olden Family Trust 7804 Rock Prairie Road, E College Station, TX 77845

Map Ref	Acres	ID	Owner's Name & Address
K	76.0	R10603	City of College Station P.O. Box 9973 College Station, TX 77842
L	44.0	R10604	College Station ISD 1812 Welsh Ave. #120 College Station, TX 77840
М	1.41	R10702	Roger Pompa 11515 Sageperry Drive Houston, TX 77089
N	5.01	R10593	Cutting Edge Self-Storage ADT, LC 5630 S Waterbury Way Ste #B-101 Murray, UT 84121



HDR Engineering, Inc. 4500 W. Eldorado Pkwy Suite 3500 McKinney, Texas 75070

	UCUMENT IS RELEASED FOR THE PURPOSE OF TOEQ REV	TIEW AND IS RELEASED UND	ER INE	AUTHO	KIIT OF		
_				· -	ή-	┢	1
1	FOR 10 FOOT HEIGHT INCREASE	8/08	JC	1	1	1	1
Revision No.	Description	Dote	Drwn.	Chkd.	Resp. Engr.	Proj. Mgr.	

Architect	I&C/Process
Civil	Vechanical
Electrical	Structural
Designed	J. CONKLIN



ROCK PRAIRIE ROAD LANDFILL - MSW 1444C COLLEGE STATION, TEXAS

Brazos County Appraisal District July 2008

° JULY/2008	Project No.	Figure No.	Issue
1" - 800'	85694		

PART III

BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY (BVSWMA) (APPLICANT)

ROCK PRAIRIE ROAD LANDFILL (PROJECT)

PERMIT - No. MSW 1444C

COLLEGE STATION, TEXAS
BRAZOS COUNTY, TEXAS
(LOCATION)

Permit Issued November 25, 2002 Revised August 2008

This document is released for the purpose of review by TCEQ under the authority of Michael W. Oden, P.E. # 67165. It is not to be used for bidding or construction.

For pages _

thru (L

PART III BVSWMA ROCK PRAIRIE ROAD LANDFILL EXPANSION

TABLE OF CONTENTS

§330.54(2)

1.0	INTRODUCTION	1
1.1	Solid Waste Data §330.54(3)	1
2.0	DESIGN DATA §330.54(4)	3
2.2	Landfilling Methods §330.55(a)(1) Wet-Weather Operations §330.55(a)(2) Access Control §330.55(a)(3) Site Life §330.55(a)(4)	3 4
3.0	GROUNDWATER AND SURFACE WATER PROTECTION	7
3.6	Run-off Control §330.55(b)(3)	7 7 8 8
4.0	FINAL COVER DESIGN §330.55(B)(8)	10
5.0	ENDANGERED SPECIES §330.55(B)(9)	11
6.0	LANDFILL MARKERS AND BENCHMARK §330.55(B)(10)	12

rigures		
Figure III - Att.1.1	Site Layout	13
Figure III - Att.1.2	Entrance Facilities	14
Figure III - Att.1.3	Landfill Grid System	15
Figure III - Att.1.4	Liner Grades	16
Figure III - Att.1.5	Typical Cell Development	17
Figure III - Att.1.6	Sequence of Development Cells 1-2	
Figure III - Att.1.7	Sequence of Development Cells 1-10	
Figure III - Att.1.8	Sequence of Development Cells 11-12	20
Figure III - Att.1.9	Sequence of Development Cells 11-20	21
<u>Tables</u>		
5.1 Solid Waste [Deposition Projection	5
	Soil Balance	

This document is released for the purpose of review by TCEQ under the authority of Michael W. Oden, P.E. # 67165. It is not to be used for bidding or construction.
For pages thru

2.3 Access Control §330.55(a)(3)

The existing entrance and site fencing for the Rock Prairie Road Landfill will continue to be used for this permit amendment. The site entrance is located at the northwest corner of the site at 7600 East Rock Prairie Road. Access is controlled at the entrance by a steel gate that is kept locked when the site is not in operation. The site perimeter is fenced to control access from adjoining properties. The perimeter fence is barbed wire and is maintained as needed.

During operating hours, facility personnel will regularly watch for unauthorized persons in the vicinity of the working face, at the site entrance and any other areas of the site. Entry to the active portion of the site is restricted to designated personnel, approved waste haulers, and properly identified personnel whose entrance is authorized by the manager, supervisor or attendant. Visitors are allowed on-site only when accompanied by a site representative.

2.4 Site Life §330.55(a)(4)

The life expectancy of the remaining permitted sectors is three years as of November 2000. The current Rock Prairie Road Landfill accepts approximately 960 tons of solid waste per day (6 days per week). The expected rate of solid waste deposition is anticipated to increase at approximately 1.7 percent per year according to information provided by BVSWMA. Table 2.1 shows the solid waste deposition projection used for calculating the expected site life of the new facility based on the anticipated annual growth rate. Table 2.2 shows the site life and soil balance determinations. The site life calculation in Table 2.2 does not reflect annual growth projections. For calculating volumes, a compaction density of 1,300 pounds per cubic yard and a waste-to soil ratio of 8:1 were used.

The volume remaining at the landfill as of September 2007, including the 2008 Final Contour modifications is 1,854,400 cubic yards. Of this volume, approximately 193,100 cubic yards are a result of the 2008 modification. Of this increase, 31,100 cubic yards will be filled with inert material as the fill is over pre-Subtitle D lined areas (see

Figure III.Att.1.1). Alternately, municipal solid waste can be placed in those areas provided a new liner system is installed in accordance with the SLQCP (Part III, Attachment 10). See Table 2.2 for a detail of the remaining volume.

Actual quantities accepted at the site will vary depending on the number of cities sending waste to the facility, changes in population or economic activity, and changes in waste collection and disposal practices by private haulers using the facility.

TABLE 2.1

LATERAL EXPANSION AREA

ROCK PRAIRIE ROAD LANDFILL

SOLID WASTE DEPOSITION PROJECTION

Date Thru	Daily	Yearly	Yearly Volume (waste plus soil)	Cum. Volume (waste plus soil)
Sept.	Tonnage	Tonnage	(cy)	(cy)
2008	960	297,600	515,100	515,100
2009	976	302,659	523,900	1,039,000
2010	993	307,804	532,806	1,571,800

^{1.7 %} annual growth rate assumed

TABLE 2.2

ROCK PRAIRIE ROAD LANDFILL

REMAINING SITE LIFE AND SOIL BALANCE

Item	
Site Airspace	
Waste Area (acre) 1	48.0
Waste Area (SF)	2,090,880
Gross Volume (CY) ³	1,854,400
3.5' Final Cover Material (CY)	271,000
4' Bottom Liner Material (CY) ²	0
Net Landfill Volume (CY)	1,583,400
Inert Fill Volume (CY)	31,100
MSW Fill Volume (CY)	1,552,300
Site Life	
Daily Cover @ 11% (CY)	170,800
Net Solid Waste Volume (CY)	1,381,500
Site Life (YR)	2.7
Soil Balance	
Excavation (CY)	0
Liner System (CY)	170,800
Daily Cover (CY)	0
Structural Fill (CY)	271,000
Soil Balance (CY) ⁴	<441,800>
Area Remaining to accept waste.	

1 Area Remaining to accept waste.

2 All liner has been constructed.3 Computed as of September 2007 and includes 2008 modification.

4 Soil to be obtained from off site sources.

6-21-7008 MICHAEL W. ODEN 67165

HDR Engineering, Inc. Revised August 2008

PART III §330.54(1)

BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY (BVSWMA) (APPLICANT)

ROCK PRAIRIE ROAD LANDFILL EXPANSION (PROJECT)

PERMIT APPLICATION - No. MSW 1444C

COLLEGE STATION, TEXAS
BRAZOS COUNTY, TEXAS
(LOCATION)

Permit Issued November 25, 2002 JUNE 2001
Revised August 2008

This document is released for the purpose of review by TCEQNRC0 under the authority of Michael W. OdenCarolyn J. LaFleur P.E. is 6716584349 on June 2001. It is not to be used for bidding of construction			**		
purpose of review by TCEQNRC0 under the authority of Michael W OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is not to be used for bidding of					
purpose of review by TCEQNRC0 under the authority of Michael W OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is not to be used for bidding of					
purpose of review by TCEQNRC0 under the authority of Michael W OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is not to be used for bidding of					
purpose of review by TCEQNRC0 under the authority of Michael W OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is not to be used for bidding of					
purpose of review by TCEQNRC0 under the authority of Michael W OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is not to be used for bidding of					
purpose of review by TCEQNRC0 under the authority of Michael W OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is not to be used for bidding of					
under the authority of Michael W. OdenCarolyn J. LaFleur , P.E. is 6716584349 on June 2001. It is not be used for bidding of	This document i	is rel	eased	for t	he
OdenCarolyn J. LaFleur , P.E. a 6716584349 on June 2001. It is no to be used for bidding of					
6716584349 on June 2001. It is not to be used for bidding of					
to be used for bidding of					
- Not 1					
		101	Diadi	i ig	·
			thru		

PART III BVSWMA ROCK PRAIRIE ROAD LANDFILL EXPANSION

TABLE OF CONTENTS §330.54(2)

1.0	INTRODUCTION	. 1
1.1	Solid Waste Data §330.54(3)	. 1
2.0	DESIGN DATA §330.54(4)	. 3
2.2 2.3	Landfilling Methods §330.55(a)(1) Wet-Weather Operations §330.55(a)(2) Access Control §330.55(a)(3) Site Life §330.55(a)(4)	. 3 . 4
3.0	GROUNDWATER AND SURFACE WATER PROTECTION	776
3.6	Run-off Control §330.55(b)(3)	7 <u>7</u> 6 7 <u>7</u> 6 7 <u>7</u> 6 8 <u>8</u> 7 8 <u>8</u> 7
4.0	FINAL COVER DESIGN §330.55(B)(8)	<u>10409</u>
5.0	ENDANGERED SPECIES §330.55(B)(9)	111110
6.0	LANDFILL MARKERS AND BENCHMARK §330.55(B)(10)	<u>121211</u>

Figures		
Figure III - Att.1.1	Site Layout	13
Figure III - Att.1.2	Entrance Facilities	
Figure III - Att.1.3	Landfill Grid System	
Figure III - Att.1.4	Liner Grades	16
Figure III - Att.1.5	Typical Cell Development	17
Figure III - Att.1.6	Sequence of Development Cells 1-2	18
Figure III - Att.1.7	Sequence of Development Cells 1-10	19
Figure III - Att.1.8	Sequence of Development Cells 11-12	20
Figure III - Att.1.9	Sequence of Development Cells 11-20	
Tables		
	anacition Projection	5
	eposition ProjectionSoil BalanceSoil Balance	
o. i Site Life and S	oli dalance	o

This document is released for the	9
purpose of review by TCEQNRCO	
under the authority of Carolyn J	÷
LaFleur Michael W. Oden-, P.E. #	ŧ
6716584349, on June 2001. It is	3
not to be used for bidding o	r
construction.	

For pages ____ thru ____

2.3 Access Control §330.55(a)(3)

The existing entrance and site fencing for the Rock Prairie Road Landfill will continue to be used for this permit amendment. The site entrance is located at the northwest corner of the site at 7600 East Rock Prairie Road. Access is controlled at the entrance by a steel gate that is kept locked when the site is not in operation. The site perimeter is fenced to control access from adjoining properties. The perimeter fence is barbed wire and is maintained as needed.

During operating hours, facility personnel will regularly watch for unauthorized persons in the vicinity of the working face, at the site entrance and any other areas of the site. Entry to the active portion of the site is restricted to designated personnel, approved waste haulers, and properly identified personnel whose entrance is authorized by the manager, supervisor or attendant. Visitors are allowed on-site only when accompanied by a site representative.

2.4 Site Life §330.55(a)(4)

The life expectancy of the remaining permitted sectors is three years as of November 2000. The current Rock Prairie Road Landfill accepts approximately 960 tons of solid waste per day (6 days per week). The expected rate of solid waste deposition is anticipated to increase at approximately 1.7 percent per year according to information provided by BVSWMA. Table 2.1 shows the solid waste deposition projection used for calculating the expected site life of the new facility based on the anticipated annual growth rate. Table 2.2 shows the site life and soil balance determinations. The site life calculation in Table 2.2 does not reflect annual growth projections. For calculating volumes, a compaction density of 1,300 pounds per cubic yard and a waste-to soil ratio of 8:1 were used.

The volume remaining at the landfill as of September 2007, including the 2008 Final Contour modifications is 1,854,400 cubic yards. Of this volume, approximately 193,100

cubic yards are a result of the 2008 modification. Of this increase, 31,100 cubic yards will be filled with inert material as the fill is over pre-Subtitle D lined areas (see Figure III.Att.1.1). Alternately, municipal solid waste can be placed in those areas provided a new liner system is installed in accordance with the SLQCP (Part III, Attachment 10). See Table 2.2 for a detail of the remaining volume.

Actual quantities accepted at the new-site will vary depending on the number of cities sending waste to the facility, changes in population or economic activity, and changes in waste collection and disposal practices by private haulers using the facility.

TABLE 2.1

LATERAL EXPANSION AREA

ROCK PRAIRIE ROAD LANDFILL

SOLID WASTE DEPOSITION PROJECTION

Operating	Date	Daily	Yearly	Yearly Volume (waste plus soil)	Cum. Volume (waste plus soil)
Year	Thru Sept.	Tonnage	Tonnage	(cy)	(cy)
4	2004 2008	960	297,600	595,200 515,100	595,200 515,100
2	2005 2009	976	302,659	605,318 523,900	1,200,518 1,039,000
3	2006 2010	993	307,804	615,608 532,806	1,816,127 1,571,800
4	2007	1010	313,037	626,074	2,442,201
5	2008	1027	318,359	636,717	3,078,919
6	2009	1044	323,771	647,542	3,726,460

^{1.7 %} annual growth rate from BVSWMA assumed

TABLE 2.2 LATERAL EXPANSION AREA ROCK PRAIRIE ROAD LANDFILL

REMAINING SITE LIFE AND SOIL BALANCE

Item	5
Site Airspace	
Waste Area (acre) 1	28.5 48.0
Waste Area (SF)	1,241,460 2,090,880
Gross Volume (CY) ³	3,269,896 1,854,400
3.5' Final Cover Material (CY) 2	168,977 <u>271,000</u>
4' Bottom Liner Material (CY) ²	193,116 0
Net Landfill Volume (CY)	2,907,803 1,583,400
Inert Fill Volume (CY)	31,100
MSW Fill Volume (CY)	1,552,300

Site Life
Daily Cover @ 11% (CY)

Net Solid Waste Volume (CY)

Site Life (YR)⁴

319,858 170,800

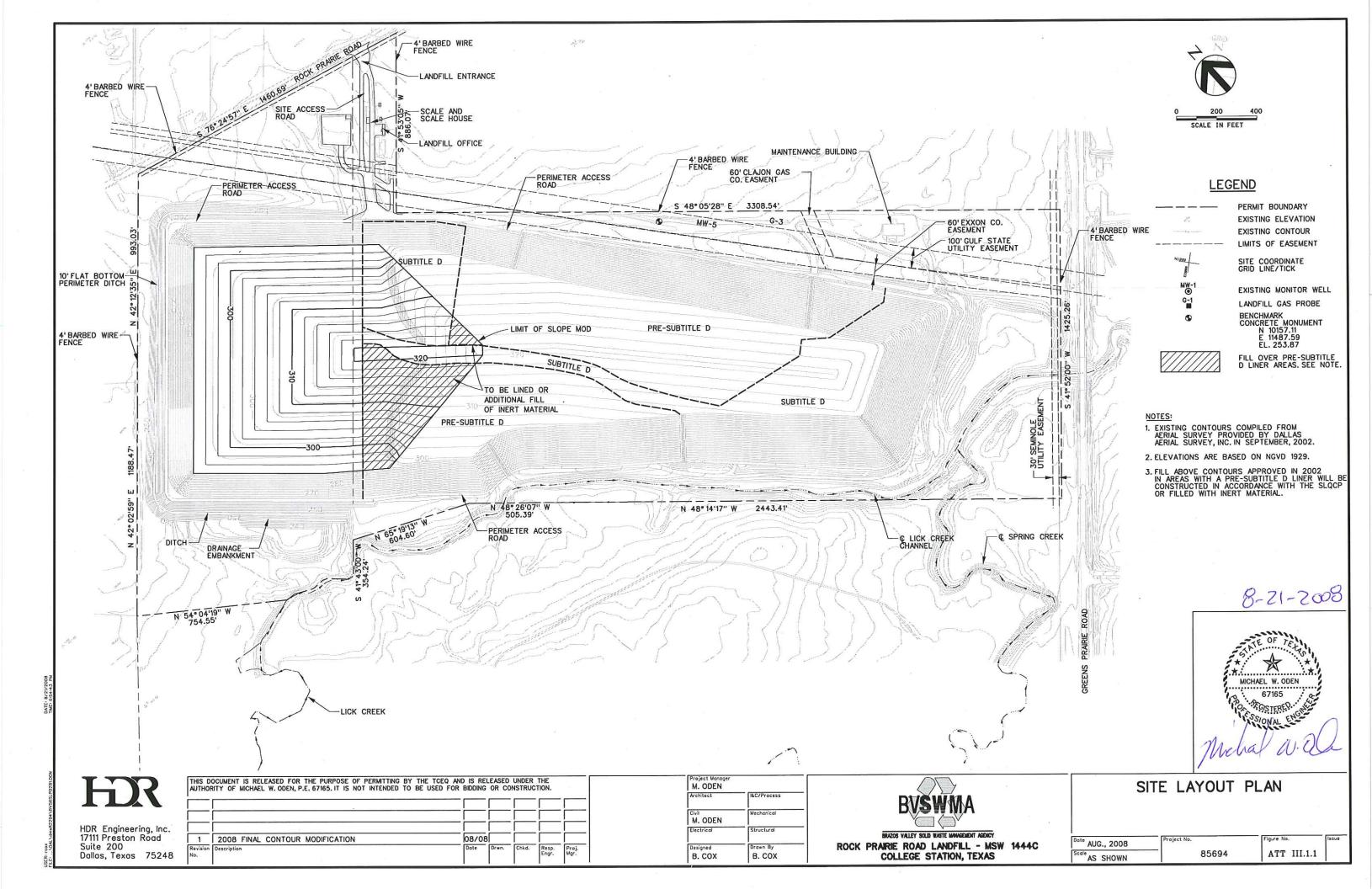
2,587,945 1,381,500

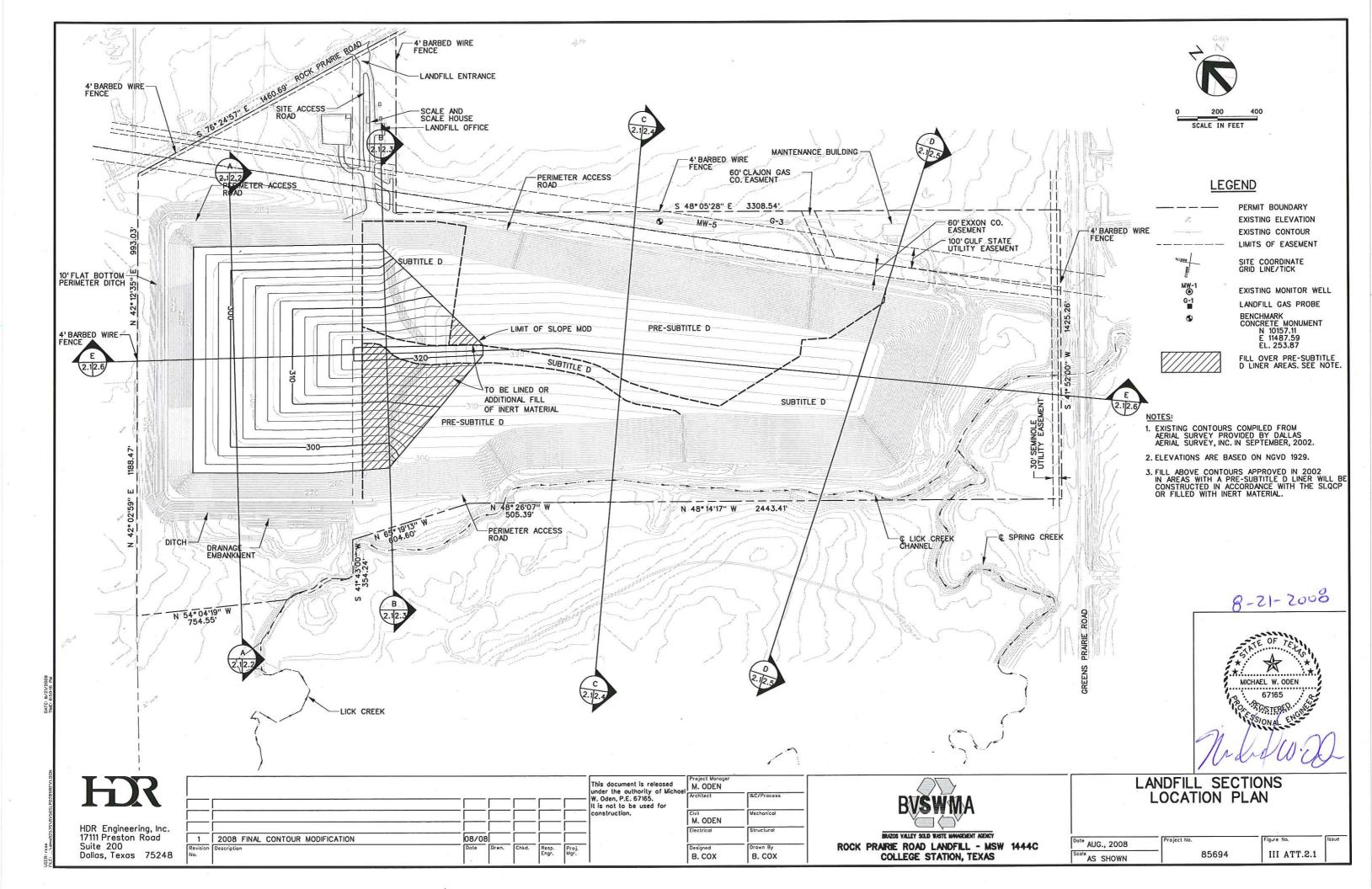
5.6 2.7

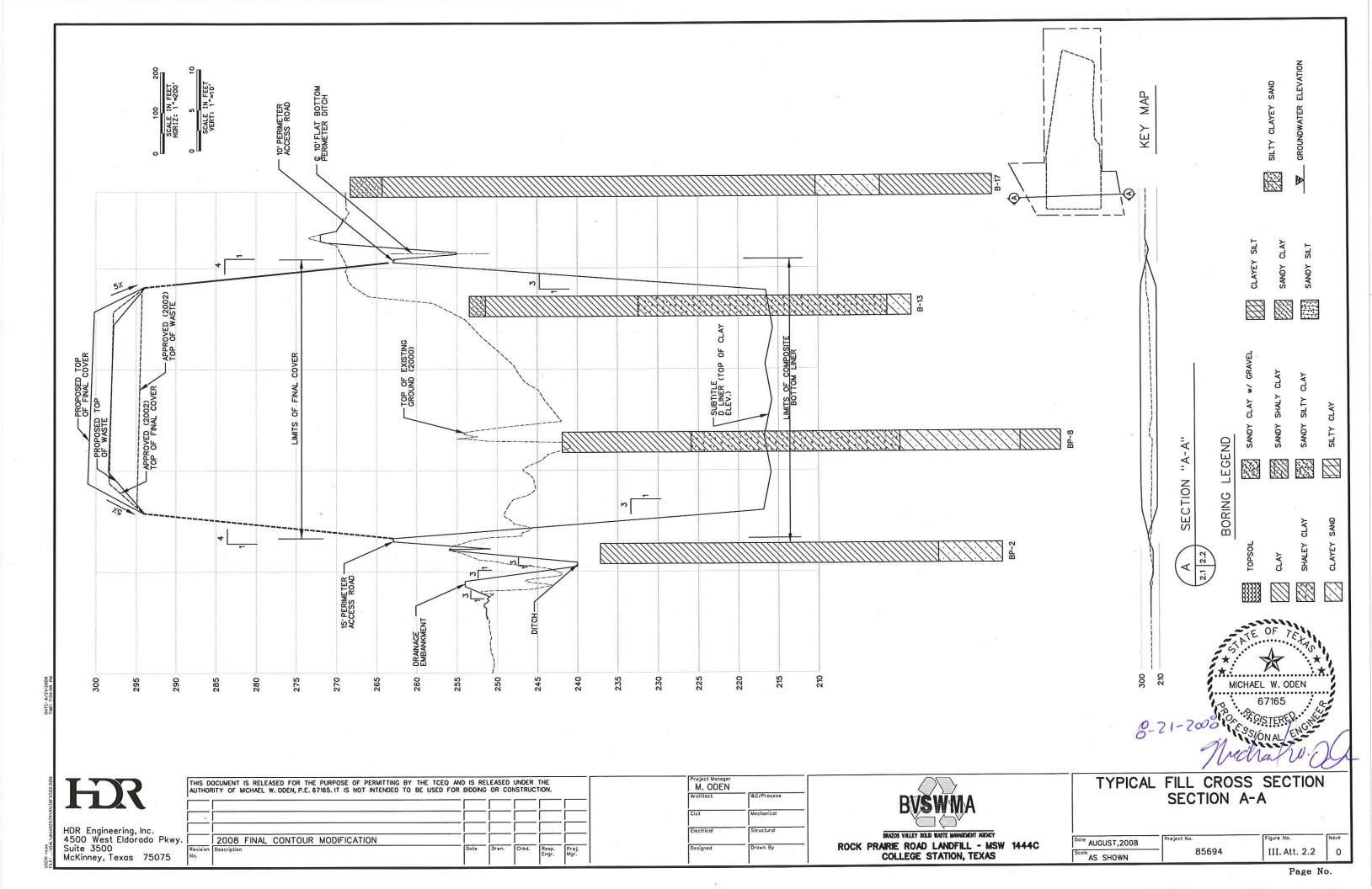
Soil Balance

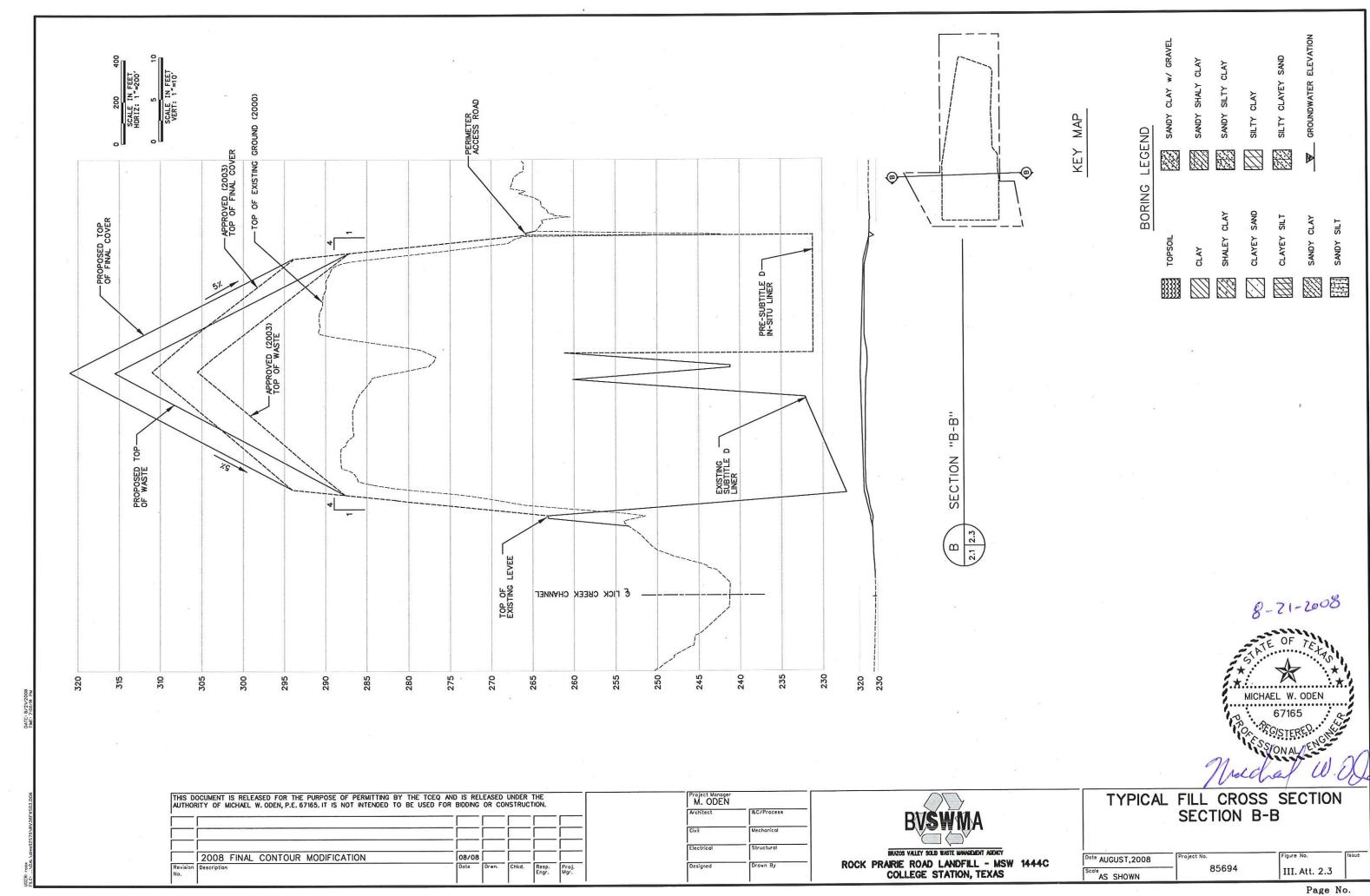
Excavation (CY) ³
Liner System (CY) ⁴
Daily Cover (CY)
Structural Fill (CY) ⁵
Soil Balance (CY) ³
1,054,227_0
193,116_170,800
193,116_170,800
194,858_0
194,858_0
194,877_271,000
194,977_271,000
197,276_441,800>

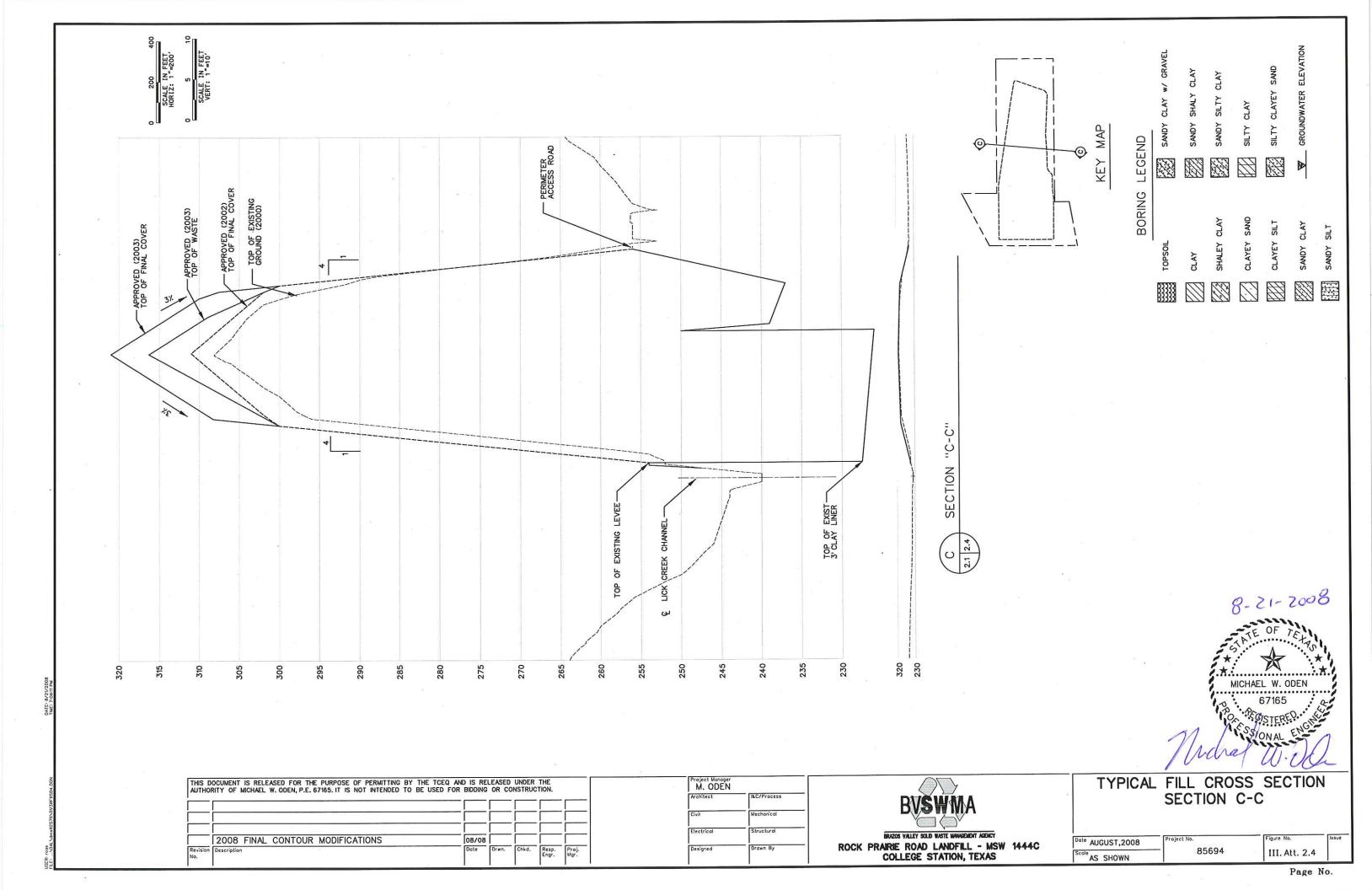
- 1 Area within limit of waste placement shown on plans. Remaining to accept waste.
- 2 Geocomposite drainage layer on sideslopes assumed negligible for volume calculations. All liner has been constructed.
- 3 Excavation and Soil Balance volumes are based an 8/18/2000 aerial photo. Actual Soil Balance volume is expected to be significantly less as excavation has continued in the borrow area. Computed as of September 2007 and includes 2008 modification.
- 4 Includes clay and protective cover soil. Drainage layer on landfill floor assumed to be imported. Soil to be obtained from off site sources.
- 5 Includes berm construction and miscellaneous fill.

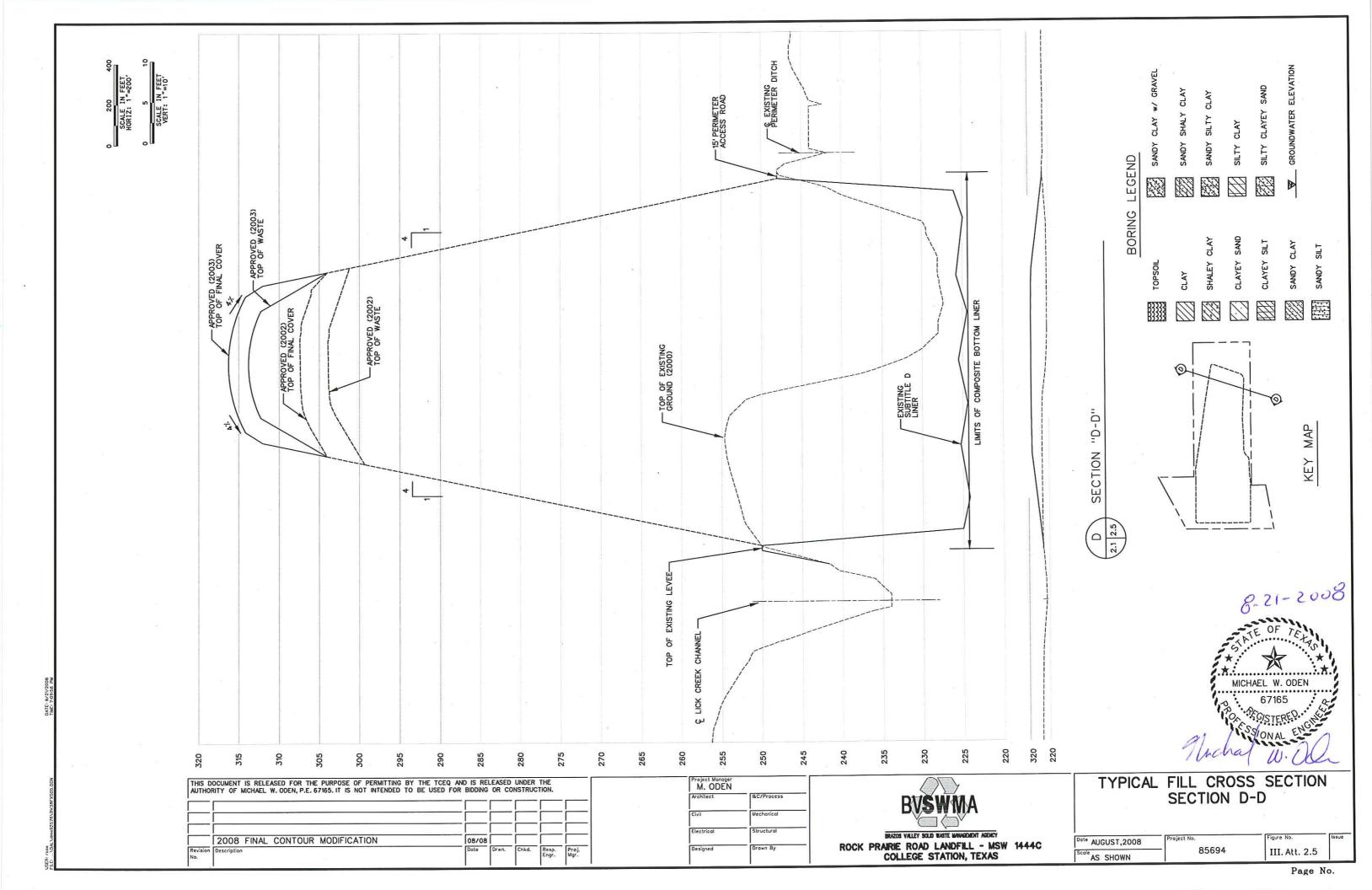


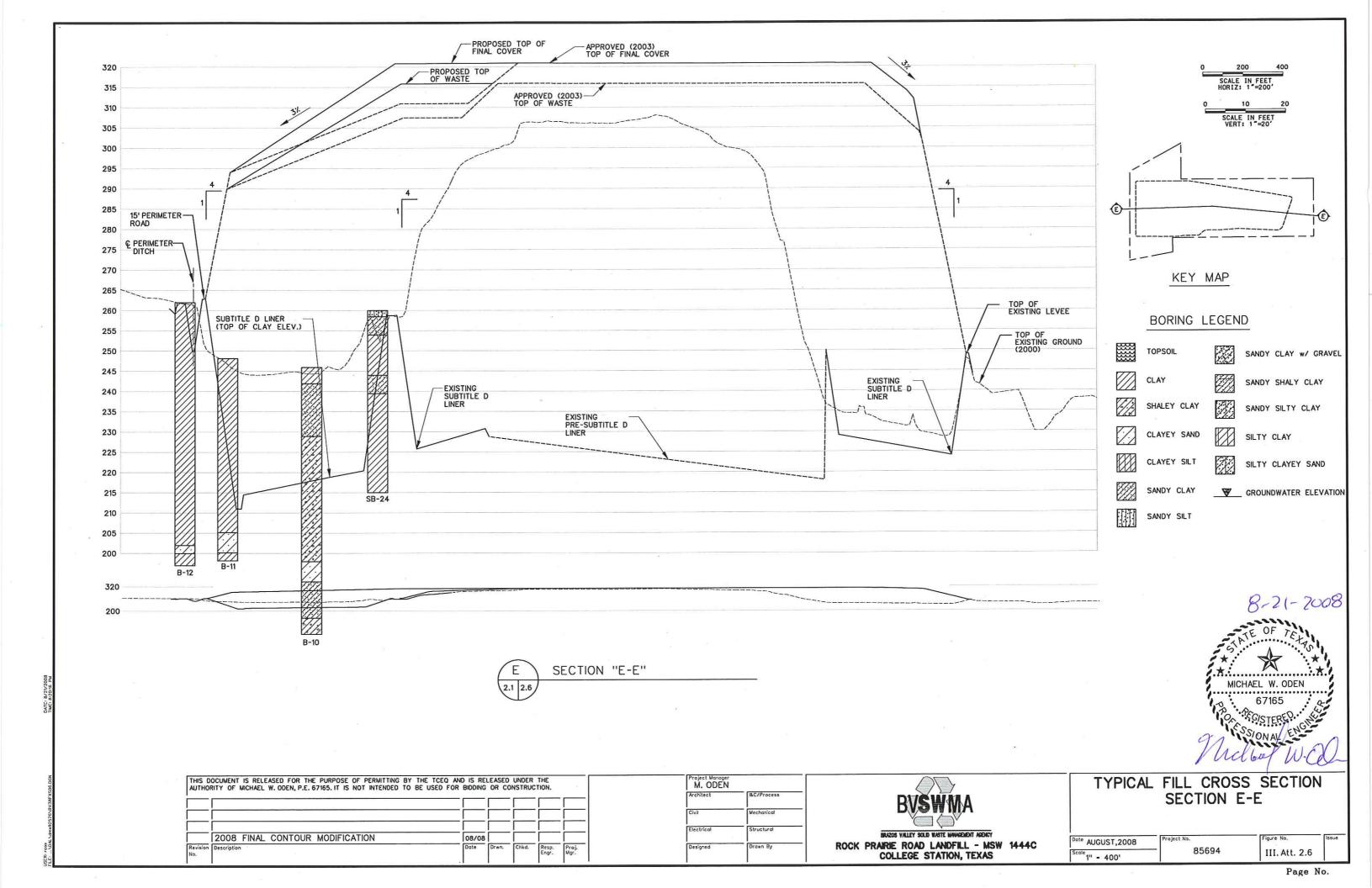












PART III

ATTACHMENT 6

GROUNDWATER PROTECTION PLAN & DRAINAGE PLAN

FOR

BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY

ROCK PRAIRIE ROAD LANDFILL EXPANSION

BRAZOS COUNTY, TEXAS

Permit Issued NOVEMBER 25, 2002

JUNE 2001 Revised AUGUST 2008

,
1 ⁸ x a = 3
Pari
This document is released for the purpose of review by TNRCC under the authority of Robert P. ArmstrongMichael W. Oden, P.E. # 8710767165. It is not to be used for bidding or construction.
For pages thru

PART III, ATTACHMENT 6 BVSWMA ROCK PRAIRIE ROAD LANDFILL EXPANSION

1.0	INTRODUCTION	1
2.0	EXISTING CONDITIONS	2
	2.1 Site Description	
	2.2 Drainage Patterns	
	2.3 SCS Methods in HEC-HMS	5
	2.4 Existing Ponds	12
	2.5 FEMA Flood Insurance Rate Map (FIRM)	12
3.0	DEVELOPED CONDITIONS	
	3.1 Final Grading	13
	3.2 Drainage Area Map	
	3.3 Drainage Controls	
	3.4 Sequence of Development for Drainage Appurtenances	27
	3.5 Maintenance of Drainage Appurtenances	
4.0	COMPARISON OF EXISTING AND FINAL DRAINAGE PATTERNS	29
5.0	LICK CREEK FLOODPLAIN	31
	5.1 Flood Insurance Rate Map (FIRM)	31
	5.2 1995 Conditional Letter of Map Revision (CLOMR)	31
	5.3 2000 Letter of Map Revision (LOMR)	31
	5.4 2001 Letter of Map Revision (LOMR)	32
6.0	TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES)	
	CERTIFICATION	33
7.0	EROSION CONTROL AND SEDIMENTATION PLAN	34
1.0	INTRODUCTION	1
2.0	EXISTING CONDITIONS	
2.0	2.1 Site Description	
	2.2 Drainage Patterns	
	2.3 SCS Methods in HEC-HMS	
	2.4 Existing Ponds.	
	2.5 FEMA Flood Insurance Rate Map (FIRM)	
3.0	DEVELOPED CONDITIONS.	13
	3.1 Final Grading	13
	3.2 Drainage Area Map	13
	3.2 Drainage Area Map 3.3 Drainage Controls	14
	3.4 Sequence of Development for Drainage Appurtenances	27
	3.5 Maintenance of Drainage Appurtenances	
4.0	COMPARISON OF EXISTING AND FINAL DRAINAGE PATTERNS	29

5.0	LICK CREEK FLOODPLAIN	31
	5.1 Flood Insurance Rate Map (FIRM)	31
	5.2 1995 Conditional Letter of Map Revision (CLOMR)	31
	5.3 2000 Letter of Map Revision (LOMR)	
	5.4 2001 Letter of Map Revision (LOMR)	32
6.0	TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES)	
	CERTIFICATION	33
7.0	EROSION CONTROL AND SEDIMENTATION PLAN	34
Tabl	es	
6-1	Rainfall Distribution Data	
6-2	Existing T _c and T _{lag} Calculations	9
6-3	Existing Conditions	10
6-4	Developed T _c and T _{lag} Calculations	15
6-5	Developed Flows	16
6-6	Downchute Hydraulic Characteristics	26

ID	T _c (hr)	T _c (min)	T _{lag} (min)
Offsite 1	0.57	34	21
Offsite 2	0.68	41	24
Offsite 3	0.65	39	23
West	0.72	43	26
LF1	0.38	23	14
LF2	0.31	19	11
LF3	0.30	48	11
LF4	0.34	20	12
LF5	0.28	17	10
LF6	0.47	28	17
LF7	0.40	24	14

ID	T _c (hr)	T _c (min)	T _{lag} (min)
Offsite 1	0.50	30	18
Offsite 2	0.67	40	24
Offsite 3	0.50	30	23
T1	0.58	35	21
T2	0.58	35	21
T3	0.56	33	20
T4	0.53	32	19
T5	0.47	28	17
T6	0.53	32	19
T7	0.58	35	21
SS1	0.19	12	7
SS2	0.19	12	7
SS3	0.19	12	7
SS4	0.25	15	9
SS5	0.22	13	8
SS6	0.19	12	7
SS7	0.19	.12	7
SS8	0.22	13	8
SS9	0.25	15	9
SSE	0.42	25	15
E	0.69	42	25

Table 6-3
SCS Parameters in HEC-HMS
Existing Conditions

		Area		t _{lag}		
Discharge	Subbasin	(acres)	Area (sq. mi.)	(min)	CN	Discharge (cfs)
	OS2	43.3	0.068	24	80	160
	LF-7	5.1	0.008	14	84	25
	LF-6	25.4	0.040	17 .	84	116
	LF-5	11.6	0.018	10	84	64
@A		85.4	0.134			. 332
	OS1	31.3	0.049	20	80	125
	₩	41.0	0.064	26	80	145
	LF-1	13.6	0.021	14	84	66
@B		85.9	0.134			325
	OS3	11.4	0.018	23	79	42
@C		11.4	0.018			42
	LF-2	10.3	0.016	11	84	55
@S1		10.3	0.016			55
	LF-3	10.1	0.016	11	84	55
@S2	ω	10.1	0.016			55
<u> </u>	LF-4	8.8	0.014	11	84	46
@S3		8.8	0.014			46
	East	8.7	0.017	20	77	34
@E		8.7	0.017			34

SCS Parameters in HEC-HMS Existing Conditions

Discharge	Subbasin	Area (acres)	Area (sq. mi.)	tlag (min)	CN	Discharge (cfs)
	OS2	43.4	0.068	24	80	160
	T7	13.6	0.021	21	84	56
	SS9	3.0	0.005	9	84	18
	T6	5.5	0.009	19	84	25
9 .	SS8	11.3	0.018	8	84	68
	SS7	4.8	0.007	7	84	27
	SSE	3.3	0.005	15	84	18
@A		84.9	0.133			306
	OS1	31.7	0.050	18	80	133
	T1	13.2	0.021	21	84	56
	SS1	4.7	0.007	7	84	27
	SS2	7.9	0.012	7	84	47
	T2	12.0	0.019	21	84	51
	SS3	8.6	0.013	7	84	54
@B		78.1	0.122			311
	OS3	11.4	0.018	23	79	42

@C		11.4	0.018	49		42
2 8	Т3	11.7	0.018	20	84	49
FC	SS4	2.5	0.004	9	84	15
@LC1	*	14.2	0.022		•	59
	T4	9.2	0.014	19	84	39
	SS5	4.8	0.008	8	84	31
@LC2		14.0	0.022			60
	T5	3.0	0.005	17	84	15
	SS6	6.4	0.010	7	84	39
@LC3		9.4	0.015			50
	E	8.7	0.014	25	77	31
@E		8.7	0.014			31

ID III	∓ _e (hr)	T _e -(min)	T _{lag} (min)
Offsite 1	0.50	30	18
Offsite 2	0.67	40	24
Offsite 3	0.50	30	23
11	0.58	35	21
T2	0.58	35	21
T3	0.56	33	20
T4	0.53	32	19
T5	0.47	28	17
T6	0.53	32	19
17	0.58	35	21
SS1	0.19	12	7
SS2	0.19	12	7
\$\$3	0.19	12	7
\$\$4	0.25	15	9
SS5	0.22	43	8
SS6	0.19	12	7
SS7	0.19	12	7
SS8	0.22	13	8
SS9	0.25	45	9
SSE	0.42	25	15
E	0.69	42	25

ID	T _c (hr)	T _c (min)	T _{lag} (min)
Offsite 1	0.50	30	18
Offsite 2	0.67	40	24
Offsite 3	0.64	38	23
SS1	0.14	8	5
SS2	0.17	10	6
SS3	0.19	12	7
SS4	0.25	15	9
SS5	0.19	12.	7
SS6	0.19	12	7
SS7	0.19	12	7
SS8	0.22	13	8
SS9	0.25	15	9
SSE	0.25	15	9
T1	0.64	38	23
T2	0.64	38	23
T3	0.50	30	18
T4	0.47	28	17
T5	0.39	23	14

T6	0.50	30	18
T7	0.58	35	21
Е	0.69	42	25

Table 6-5

	SCS Parameters in HEC-HMS							
Proposed Conditions								
Discharge	Subbasin	Area (acres)	Area (sq.	tlag (min)	CN	Discharge (cfs)		
	OS2	43.4	0.068	24	80	160		
~	T7	13.6 10.9	0.021 0.017	21	84	56 45		
	SS9	3.0 3.1	0.005	9	84	18		
	T6	5.5 4.6	0.009 0.007	19 18	84	25 21		
	SS8	11.3 12.2	0.018 0.019	8	84	68 72		
	SS7	4.8 5.2	0.007 0.008	7	84	27 32		
	SSE	3.3 3.8	0.005 0.006	15 9	84	18 22		
@A		84.9 83.2	0.133 0.130			306 293		
	OS1	31.7	0.050	18	80	133		
	T1	13.2 15.4	0.021 0.024	21 23	84	56 61		
	SS1	4.7 4.5	0.007	75	84	27 30		
	SS2	7.9 7.7	0.012	7 6	84	47 49		
	T2	12.0 14.7	0.019 0.023	21 23	84	51 59		
	SS3	8.6 9.0	0.013 0.014	7	84	54 55		
@B	- 12	78.1 82.9	0.122 0.130	8		311 314.		
	OS3	11.4	0.018	23	79	42		
@C		11.4	0.018			42		
	T3	11.7 11.5	0.018	20 18	84	49 51		
	SS4	2.5 3.5	0.004 0.005	9	84	15 20		
@LC1		14.2 15.0	0.022 0.023			59 66		
	T4	9.2 7.6	0.014 0.012	19 17	84	39 34		
	SS5	4.8 6.1	0.008 0.010	87	84	31 38		
@LC2		14.0 13.7	0.022 0.021			60 64		
	T5	3.0 1.7	0.005 0.003	17 14	84	15 9		
	SS6	6.4 7.4	0.010 0.012	7	84	39 45		
@LC3		9.4 9.1	0.015 0.014			50 52		
	Е	8.7	0.014	25	77	31		
@E		8.7	0.014			31		

4.0 COMPARISON OF EXISTING AND FINAL DRAINAGE PATTERNS

Final drainage patterns will not be significantly altered by construction of the landfill.

Like existing conditions, stormwater runoff from the site enters Lick Creek via two paths

at discharge points A and B, and from direct runoff of areas adjacent to the Lick Creek.

Point A

Run-off from the eastern and southern half of the tract enters Lick Creek at point A. The

25-year combined flows at discharge point A for existing conditions is 332 306 cfs. The

combined 25-year flows at discharge point A for developed conditions is 306-293 cfs.

The small reduction in flow from exiting conditions to proposed conditions is a result of

a change in flow patterns and a small reduction in the amount of contributing drainage

area for the proposed conditions.

Point B

Similar to existing conditions, a ditch outfalls into Lick Creek at point B. The ditch has

been increased in size and rerouted around the perimeter of the expansion area.

However, the outfall of the ditch is in the same location as the existing ditch. The 25-

year flows combined at discharge point B for existing conditions is 325-311 cfs. The 25-

year flows combined at discharge point B for developed condition is 311 and cfs. The

small reduction in flow from exiting conditions to proposed conditions is a result of a

change in flow patterns and a small reduction in the amount of contributing drainage

area for the proposed conditions.

Point C

Offsite flows to the southeast flow across the permitted area and flow offsite at

Discharge Point C. No development takes place in this area. The 25-year flows at

discharge point C for existing conditions is 42 cfs. The 25-year flows at discharge point

C for developed condition is 42 cfs.

BVSWMA RPRLF – Part III, Attachment 6 Permit MSW 1444CAmendment

PART III

ATTACHMENT 6

GROUNDWATER PROTECTION PLAN & DRAINAGE PLAN

FOR

BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY

ROCK PRAIRIE ROAD LANDFILL EXPANSION

BRAZOS COUNTY, TEXAS

Permit Issued NOVEMBER 25, 2002

Revised AUGUST 2008

This document is released for the purpose of review by TCEQ under the authority of Michael

W. Oden, P.E. # 67165. It is not to be used for bidding or

thru

construction.

For pages

PART III, ATTACHMENT 6 BVSWMA ROCK PRAIRIE ROAD LANDFILL EXPANSION

1.0	INTRODUCTION	1
2.0	EXISTING CONDITIONS	2
	2.1 Site Description	2
	2.2 Drainage Patterns	
	2.3 SCS Methods in HEC-HMS	
	2.4 Existing Ponds	11
	2.5 FEMA Flood Insurance Rate Map (FIRM)	11
3.0	DEVELOPED CONDITIONS	12
	3.1 Final Grading	12
	3.2 Drainage Area Map	
	3.3 Drainage Controls	13
	3.4 Sequence of Development for Drainage Appurtenances	
	3.5 Maintenance of Drainage Appurtenances	25
4.0	COMPARISON OF EXISTING AND FINAL DRAINAGE PATTERNS	27
5.0	LICK CREEK FLOODPLAIN	29
	5.1 Flood Insurance Rate Map (FIRM)	29
	5.2 1995 Conditional Letter of Map Revision (CLOMR)	29
	5.3 2000 Letter of Map Revision (LOMR)	29
	5.4 2001 Letter of Map Revision (LOMR)	
6.0	TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES)	
	CERTIFICATION	
7.0	EROSION CONTROL AND SEDIMENTATION PLAN	32
Table		
6-1	Rainfall Distribution Data	
6-2	Existing T _c and T _{lag} Calculations	
6-3	Existing Conditions	
6-4	Developed T _c and T _{lag} Calculations	
6-5	Developed Flows	
6-6	Downchute Hydraulic Characteristics	26

ID ID	T _c (hr)	T _c (min)	T _{lag} (min)
Offsite 1	0.50	30	18
Offsite 2	0.67	40	24
Offsite 3	0.50	30	23
T1	0.58	35	21
T2	0.58	35	21
T3	0.56	33	20
T4	0.53	32	19
T5	0.47	28	17
T6	0.53	32	19
T7	0.58	35	21
SS1	0.19	12	7
SS2	0.19	12	7
SS3	0.19	12	7
SS4	0.25	15	9
SS5	0.22	13	8
SS6	0.19	12	7
SS7	0.19	12	7
SS8	0.22	13	8
SS9	0.25	15	9
SSE	0.42	25	15
E	0.69	42	25

B-21-2008

OF SALANIA OF SALANIA

Table 6-3

SCS Parameters in HEC-HMS Existing Conditions

Discharge	Subbasin	Area (acres)	Area (sq. mi.)	tlag (min)	CN	Discharge (cfs)
Discharge	OS2	43.4	0.068	24	80	160
	T7	13.6	0.021	21	84	56
	SS9	3.0	0.005	9	84	18
	T6	5.5	0.009	19	84	25
	SS8	11.3	0.018	8	84	68
	SS7	4.8	0.007	7	84	27
	SSE	3.3	0.005	15	84	18
@A		84.9	0.133			306
	OS1	31.7	0.050	18	80	133
	T1	13.2	0.021	21	84	56
	SS1	4.7	0.007	7	84	27
	SS2	7.9	0.012	7	84	47
	T2	12.0	0.019	21	84	51
	SS3	8.6	0.013	7	84	54
@B		78.1	0.122			311
	OS3	11.4	0.018	23	79	42
@C		11.4	0.018			42
	T3	11.7	0.018	20	84	49
	SS4	2.5	0.004	9	84	15
@LC1		14.2	0.022			59
	T4	9.2	0.014	19	84	39
	SS5	4.8	0.008	8	84	31
@LC2		14.0	0.022			60
	T5	3.0	0.005	17	84	15
	SS6	6.4	0.010	7	84	39
@LC3		9.4	0.015			50
	E	8.7	0.014	25	77	31
@E	S).	8.7	0.014			31

8-21-2008

OF TENDER

OF TENER

OF TENDER

OF TENER

OF TENDER

OF

 $\label{eq:Table 6-4} \textbf{Proposed T}_c \ \textbf{and T}_{lag} \ \textbf{Calculations}$

ID	T _c (hr)	T _c (min)	T _{lag} (min)
Offsite 1	0.50	30	18
Offsite 2	0.67	40	24
Offsite 3	0.64	38	23
SS1	0.14	8	5
SS2	0.17	10	6
SS3	0.19	12	7
SS4	0.25	15	9
SS5	0.19	12	7
SS6	0.19	12	7
SS7	0.19	12	7
SS8	0.22	13	8
SS9	0.25	15	9
SSE	0.25	15	9
T1	0.64	38	23
T2	0.64	38	23
T3	0.50	30	18
T4	0.47	28	17
T5	0.39	23	14
T6	0.50	30	18
T7	0.58	35	21
E	0.69	42	25

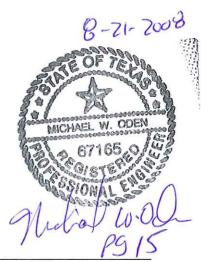


Table 6-5

	38	SCS Para	meters in HE	C-HMS		10
Proposed Conditions						
Discharge	Subbasin	Area (acres)	Area (sq.	tlag (min)	CN	Discharge (cfs)
	OS2	43.4	0.068	24	80	160
	T7	10.9	0.017	21	84	45
	SS9	3.1	0.005	9	84	18
	T6	4.6	0.007	18	84	21
	SS8	12.2	0.019	8	84	72
	SS7	5.2	0.008	7	84	32
	SSE	3.8	0.006	9	84	22
@A		83.2	0.130			293
	OS1	31.7	0.050	18	80	133
	T1	15.4	0.024	23	84	61
	SS1	4.5	0.007	5	84	30
	SS2	7.7	0.012	6	84	49
	T2	14.7	0.023	23	84	59
	SS3	9.0	0.014	7	84	55
@B		82.9	0.130			314
	OS3	11.4	0.018	23	79	42
@C		11.4	0.018			42
	Т3	11.5	0.018	18	84	51
	SS4	3.5	0.005	9	84	20
@LC1		15.0	0.023			66
	T4	7.6	0.012	17	84	34
	SS5	6.1	0.010	7	84	38
@LC2		13.7	0.021	as .		64
	T5	1.7	0.003	14	84	9
	SS6	7.4	0.012	7	84	45
@LC3		9.1	0.014			52
	E	8.7	0.014	25	77	31
@E	II.	8.7	0.014			31

8-21-2008

NICHAEL W. ODEN

67165 9.43

ONAL

PG 1/6

4.0 COMPARISON OF EXISTING AND FINAL DRAINAGE PATTERNS

Final drainage patterns will not be significantly altered by construction of the landfill. Like existing conditions, stormwater runoff from the site enters Lick Creek via two paths at discharge points A and B, and from direct runoff of areas adjacent to the Lick Creek.

Point A

Run-off from the eastern and southern half of the tract enters Lick Creek at point A. The 25-year combined flows at discharge point A for existing conditions is 306 cfs. The combined 25-year flows at discharge point A for developed conditions is 293 cfs. The small reduction in flow from exiting conditions to proposed conditions is a result of a change in flow patterns and a small reduction in the amount of contributing drainage area for the proposed conditions.

Point B

Similar to existing conditions, a ditch outfalls into Lick Creek at point B. The ditch has been increased in size and rerouted around the perimeter of the expansion area. However, the outfall of the ditch is in the same location as the existing ditch. The 25-year flows combined at discharge point B for existing conditions is 311 cfs. The 25-year flows combined at discharge point B for developed condition is 314 cfs. The small reduction in flow from exiting conditions to proposed conditions is a result of a change in flow patterns and a small reduction in the amount of contributing drainage area for the proposed conditions.

Point C

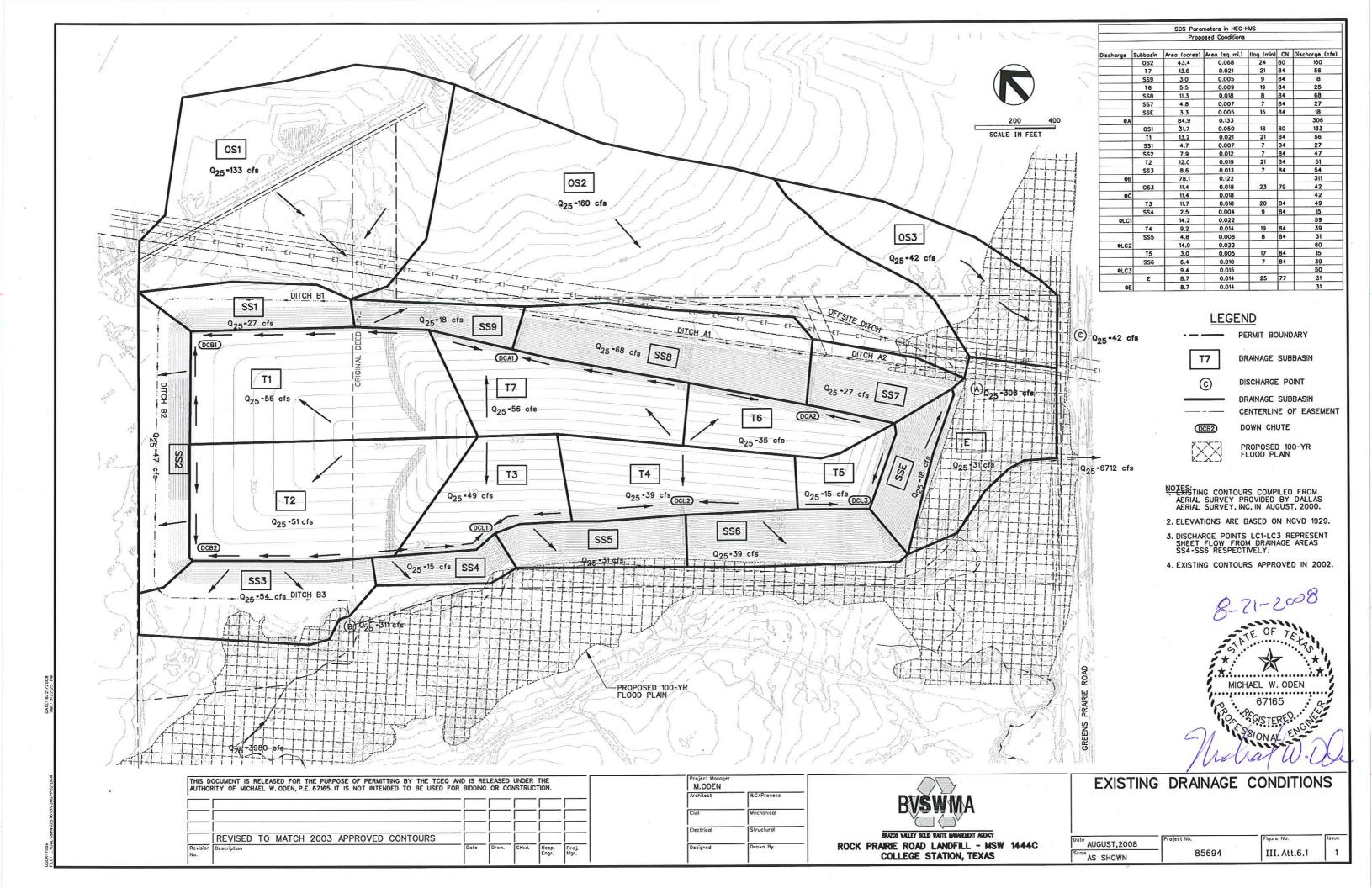
Offsite flows to the southeast flow across the permitted area and flow offsite at Discharge Point C. No development takes place in this area. The 25-year flows at discharge point C for existing conditions is 42 cfs. The 25-year flows at discharge point

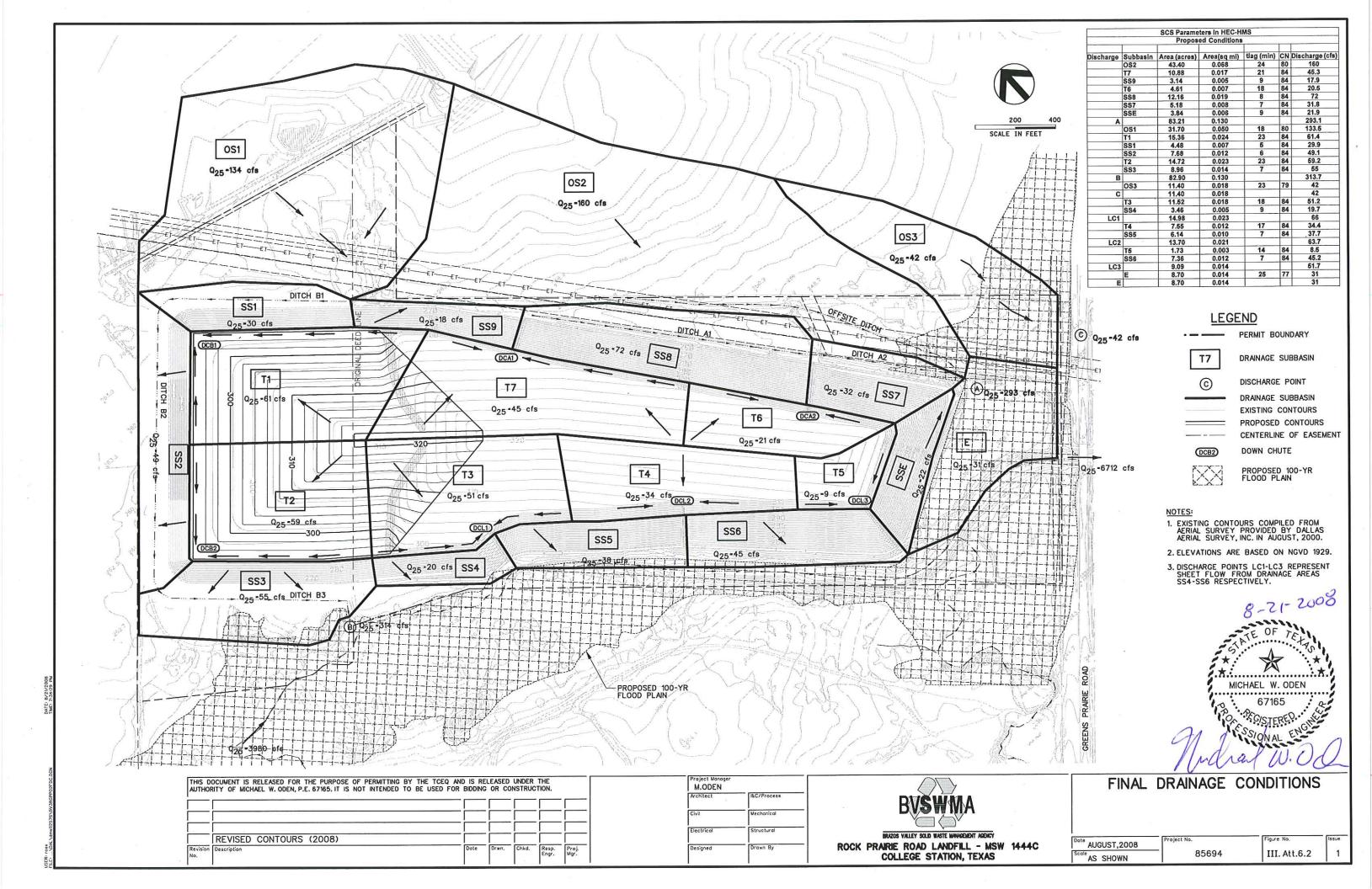
C for developed condition is 42 cfs.

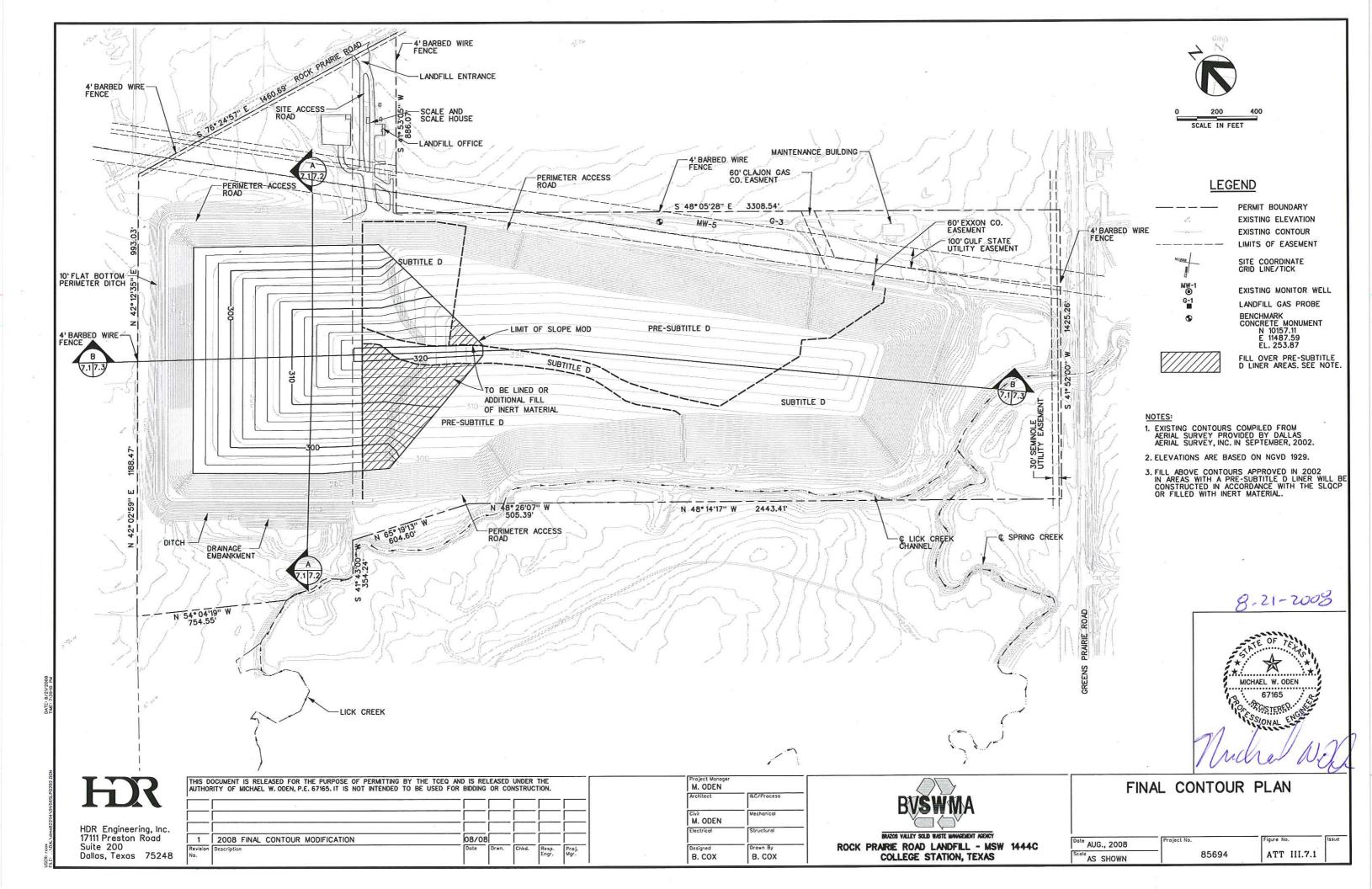
ACHAEL W. ODEN

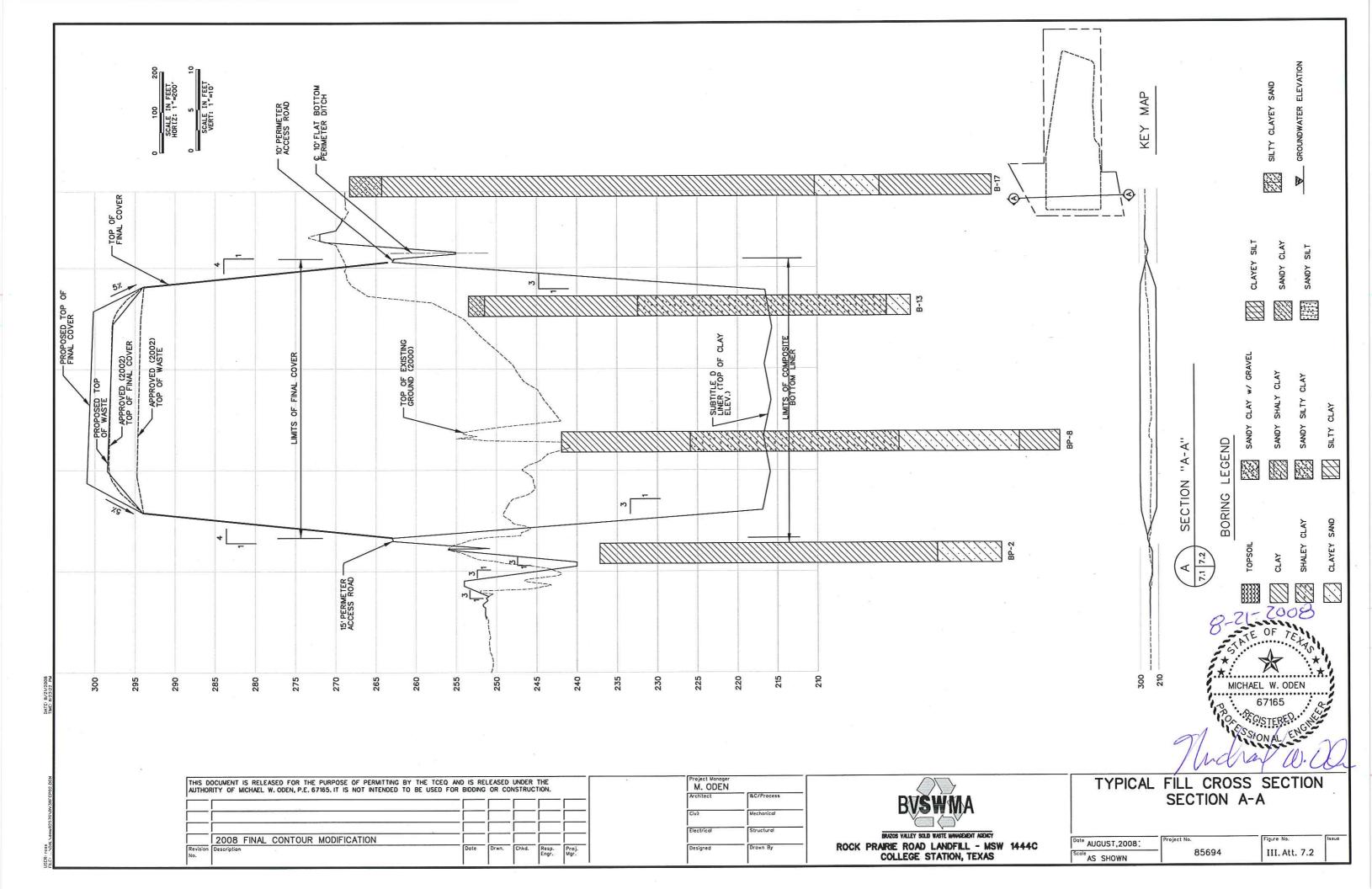
HDR Engineering, Inc. August 2008

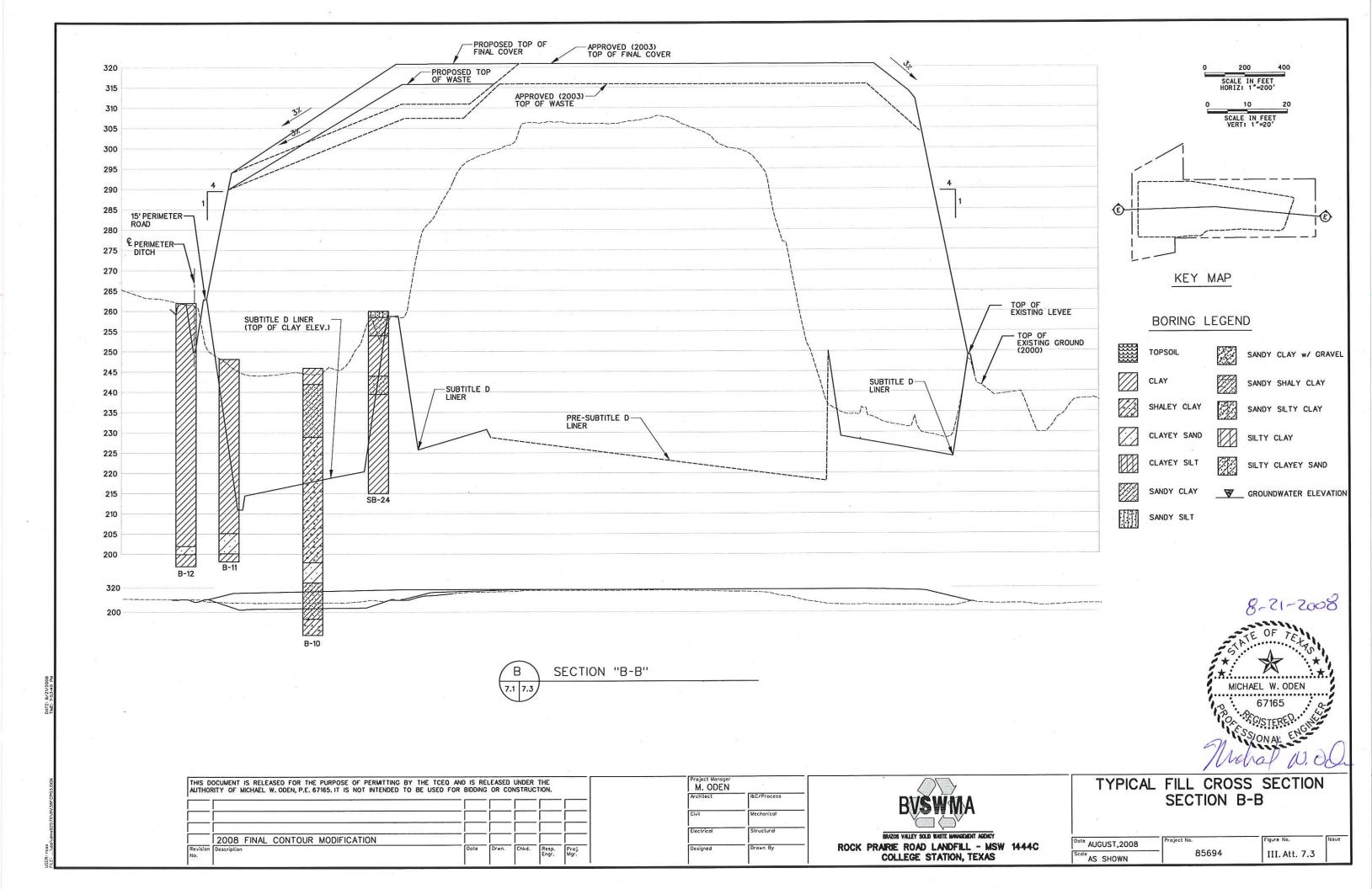
8-21-20**68**











PART IV SITE OPERATING PLAN §330.65

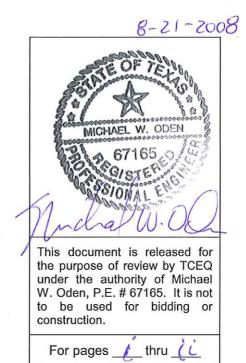
BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY (BVSWMA)

ROCK PRAIRIE ROAD LANDFILL

PERMIT – No. 1444C ISSUED NOVEMBER 25, 2002

COLLEGE STATION, TEXAS BRAZOS COUNTY, TEXAS

REVISION 6 August 2008



PART IV SITE OPERATING PLAN BVSWMA ROCK PRAIRIE ROAD LANDFILL

1.0	INTR	ODUCTION	1
2.0	PERS	SONNEL RESPONSIBILITIES AND TRAINING §330.127(1)	2
3.0	EQUI	PMENT §330.127(2)	8
4.0	OPEF	RATING PROCEDURES	10
	4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 4.10 4.11 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.20 4.21 4.22 4.23 4.24 4.25	Record Keeping Requirements §330.125 Access Control §330.131 Unloading of Waste §330.133 Hours of Operation §330.135 Site Signs §330.137 Control of Windblown Waste and Litter §330.139 Easements and Buffer Zones Landfill Markers and Benchmark §330.143(a) Materials Along the Route to the Site §330.145 Disposal of Large Items §330.147 Air Quality Control and Odor Management Disease Vector Control §330.151 Maintenance of Site Access Roads §330.153 Salvaging and Scavenging §330.155 Protection of Endangered Species §330.157 Landfill Gas Control §330.159 Treatment of Abandoned Oil and Water Wells Compaction of Solid Wastes §330.163 Landfill Cover §330.165 Ponded Water §330.167 Disposal of Special Wastes §330.171 Disposal of Industrial Wastes §330.173 Screening of Deposited Waste §330.175 Contaminated Water Discharge §330.139 Leachate and Gas condensate Recirculation §330.177	12 15 17 18 19 21 22 25 25 27 27 27 27 23 33 33 35 35
5.0		Waste Storage or Processing §330.65(a) JENCE OF DEVELOPMENT	
2.0	5.1	2008 Final Contour Modification	
6.0	DETE	CTION AND PREVENTION OF DISPOSAL OF PROHIBITED WASTES	3
	6.1	Load Inspection Procedure	38

7.0	6.2 6.3 6.4 FIRE 7.1 7.2	Record Keeping Training Managing Prohibited Wastes PREVENTION AND PROTECTION PLAN §330. Specific Fire-Fighting Procedures General Rules for Fire Incidents	40 40 12942 43		
<u>Table</u>					
Table	2-1: B	VSWMA Landfill Employee Current Training and	Certifications7		
Table	2-2: N	Inimum Staff Required Per Acceptance Rate	8		
Table	3-1: L	andfill Equipment Inventory	8		
Table	3-2: N	linimum Equipment Required per Acceptance Ra	te9		
Table	4.1: R	ecordkeeping Schedule	11		
Figures Figure 2-1: BVSWMA Organizational Chart					
Cover 3		al Waste Handling Procedures			
			u u		
	,		This document is released for the purpose of review by TCEQ under the authority of Michael W. Oden, P.E. # 67165. It is not to be used for bidding or construction. For pages thru		

5.0 SEQUENCE OF DEVELOPMENT

Since the Rock Prairie Road Landfill is an existing permitted solid waste facility, many of the required site features are already in place. The site gatehouse, site entrance road, and fence around the property are currently in place. Both existing and proposed features are shown in Part III, Attachment 1. All fill sectors have been constructed and are closed or have remaining fill space.

The leachate sump riser of Phase I will remain in service without modification until filling begins in the upper lifts of Sector 17. Prior to filling in Sector 17 upper lifts, the Sector I leachate sump riser will be extended vertically or by an alternate design to provide continuous use of the Phase I sump.

The proposed fill sequence is depicted in Part III, Attachment 1. Operations will generally follow the proposed fill sequence. If it becomes necessary to deviate from the proposed sequence of fill, the TCEQ will first be consulted.

5.1 2008 Final Contour Modification

with the SLQCP (Part III, Attachment 10).

To improve the drainage at the facility the final contours were modified in 2008 at the west end of the landfill. In areas that have a liner system that does not meet the Subtitle D criteria, only inert materials or additional top soil will be placed to achieve the contours on Figure No. III.Att.1.1. Inert material will be placed before construction of the final cover and can be natural or man-made, non-putrescible, non-hazardous materials including, but not limited to, soil, dirt, sand, clay, gravel, brick, glass, concrete with reinforcing steel and rock. Additional topsoil will be used as part of the final cover system as needed. These materials will be placed in the cross hatched areas on the above referenced Figure. Approximately 31,100 cubic yards of the 193,100 cubic yards of increased capacity are available in these areas. Alternately, MSW can be placed in this area provided an additional Subtitle D liner system is constructed in accordance

MICHAEL W. ODEN

Pg 37

August 2008

PART IV SITE OPERATING PLAN §330.65

BRAZOS VALLEY SOLID WASTE MANAGEMENT AGENCY (BVSWMA)

ROCK PRAIRIE ROAD LANDFILL

PERMIT – No. 1444C
ISSUED NOVEMBER 25 DECEMBER 10, 2002

COLLEGE STATION, TEXAS BRAZOS COUNTY, TEXAS

REVISION 65

August 2008 May 2007

			released	
			ew by To f Michae	
			. It is n	
be u constru		for	bidding	
For	2000		thru	_

PART IV SITE OPERATING PLAN BVSWMA ROCK PRAIRIE ROAD LANDFILL

1.0	INTRODUCTION	1
2.0	PERSONNEL RESPONSIBILITIES AND TRAINING §330.127(1)	2
3.0	EQUIPMENT §330.127(2)	8
4.0	OPERATING PROCEDURES	10
	4.1 Record Keeping Requirements §330.125	10
	4.2 Access Control §330.131	12
	4.3 Unloading of Waste §330.133	15
	4.4 Hours of Operation §330.135	17
	4.5 Site Signs §330.137	18
	4.6 Control of Windblown Waste and Litter §330.139	18
	4.7 Easements and Buffer Zones	19
	4.8 Landfill Markers and Benchmark §330.143(a)	20
	4.9 Materials Along the Route to the Site §330.145	21
	4.10 Disposal of Large Items §330.147	22
	4.11 Air Quality Control and Odor Management	22
	4.11 Air Quality Control and Odor Management	25
	4.13 Maintenance of Site Access Roads §330.153	25
	4.14 Salvaging and Scavenging §330.155	26
	4.15 Protection of Endangered Species §330.157	26
	4.16 Landfill Gas Control §330.159	<u> 27</u>
	4.17 Treatment of Abandoned Oil and Water Wells	27
	4.18 Compaction of Solid Wastes §330.163	28
	4.19 Landfill Cover §330.165	28
	4.20 Ponded Water §330.167	<u> 31</u>
	4.21 Disposal of Special Wastes \$330,171	33
	4.22 Disposal of Industrial Wastes §330.173	34
19	4.23 Screening of Deposited Waste §330.175	35
	4.24 Contaminated Water Discharge §330.139	35
	4.25 Leachate and Gas condensate Recirculation §330.177	36
	4.26 Waste Storage or Processing §330.65(a)	36
5.0	SEQUENCE OF DEVELOPMENT	37
	5.1 2008 Final Contour Modification	37
6.0	DETECTION AND PREVENTION OF DISPOSAL OF PROHIBITED V	VASTES
0.0	§330.127(5)	
	6.1 Load Inspection Procedure	38

	6.2 Record Keeping	39
	6.3 Training	
	6.4 Managing Prohibited Wastes	40
7.0	FIRE PREVENTION AND PROTECTION PLAN §330.129	42
	7.1 Specific Fire-Fighting Procedures	43
	7.2 General Rules for Fire Incidents	
1.0	INTRODUCTION	1
2.0	PERSONNEL RESPONSIBILITIES AND TRAINING §330.127(1)	2
<u>3.0</u>	EQUIPMENT §330.127(2)	8
4.0	OPERATING PROCEDURES	10
		10
	4.1 Record Keeping Requirements §330.125	12
	4.2 Access Control §330.131 Unloading of Waste §330.133	15
		10
	4.4 Hours of Operation §330.135	1/
	4.5 Site Signs §330.137	18
	4.6 Control of Windblown Waste and Litter §330.139	18
	4.7 Easements and Buffer Zones	19
	4.8 Landfill Markers and Benchmark §330.143(a)	20
	4.9 Materials Along the Route to the Site §330.145	
		22
	4.11 Air Quality Control and Odor Management	22
	4.12 Disease Vector Control §330.151	25
	4.13 Maintenance of Site Access Roads §330.153	
	4.14 Salvaging and Scavenging §330.155	26
	4.15 Protection of Endangered Species §330.157	27
	4.16 Landfill Gas Control §330.159	27
	4.17 Treatment of Abandoned Oil and Water Wells	27
	4.18 Compaction of Solid Wastes §330.163	
	4.19 <u>Landfill Cover §330.165</u>	28
	4.20 Ponded Water §330.167	32
	4.21 Disposal of Special Wastes §330.171	33
	4.22 Disposal of Industrial Wastes §330.173	34
	4.23 Screening of Deposited Waste §330.175	
	4.24 Contaminated Water Discharge §330.139	35
	4.25 Leachate and Gas condensate Recirculation §330.177	36
	4.26 Waste Storage or Processing §330.65(a)	36
<u>5.0</u>	SEQUENCE OF DEVELOPMENT	37
6.0	DETECTION AND PREVENTION OF DISPOSAL OF PROHIBITED WA	STES
	§330.127(5)	38
	6.1 Load Inspection Procedure	20

	6.2 Record Keeping	
	6.3 Training.	
7.0	6.4 Managing Prohibited Wastes	
<u>7.0</u>	FIRE PREVENTION AND PROTECTION PLAN §330.	
	7.1 Specific Fire Fighting Procedures 7.2 General Rules for Fire Incidents	43
	4.2 General Rules for Fire incidents	44
Table	<u>s</u>	
Table	2-1: BVSWMA Landfill Employee Current Training and	Certifications7
Table	2-2: Minimum Staff Required Per Acceptance Rate	8
Table	3-1: Landfill Equipment Inventory	<u>8</u>
Table	3-2: Minimum Equipment Required per Acceptance Ra	te9
Table	4.1: Recordkeeping Schedule	11
Table	2-1: BVSWMA Landfill Employee Current Training Req	uirements7
Table	2-2: Minimum Staff Required Per Acceptance Rate	8
Table	3-1: Landfill Equipment Inventory	8
<u>Table</u>	3-2: Minimum Equipment Required per Acceptance Ra	<u>te</u> 9
Table	4.1: Recordkeeping Schedule	11
Figur	06	
		6
rigur	e 2-1: BVSWMA Organizational Chart	0
Figur	2-1: BVSWMA Organizational Chart	6
		3
A ttoo	hments	
1.	Alternate Daily Cover Operating Plan	
2	TCEQ Approval Letter For Use of Alternate Daily	The desired to the second of
Cove 3	Special Waste Handling Procedures	This document is released for the purpose of review by TCEQ
3	opecial waste framiding i focedures	under the authority of Michael W. Oden, P.E. # 67165. It is not to
		be used for bidding or construction.
		For pages thru

5.0 SEQUENCE OF DEVELOPMENT

Since the Rock Prairie Road Landfill is an existing permitted solid waste facility, many of the required site features are already in place. The site gatehouse, site entrance road, and fence around the property are currently in place. Both existing and proposed features are shown in Part III, Attachment 1. All fill sectors have been constructed and are closed or have remaining fill space.

The leachate sump riser of Phase I will remain in service without modification until filling begins in the upper lifts of Sector 17. Prior to filling in Sector 17 upper lifts, the Sector I leachate sump riser will be extended vertically or by an alternate design to provide continuous use of the Phase I sump.

The proposed fill sequence is depicted in Part III, Attachment 1. Operations will generally follow the proposed fill sequence. If it becomes necessary to deviate from the proposed sequence of fill, the TCEQ will first be consulted.

5.1 2008 Final Contour Modification

To improve the drainage at the facility the final contours were modified in 2008 at the west end of the landfill. In areas that have a liner system that does not meet the Subtitle D criteria, only inert materials or additional top soil will be placed to achieve the contours on Figure No. III.Att.1.1. Inert material will be placed before construction of the final cover and can be natural or man-made, non-putrescible, non-hazardous materials including, but not limited to, soil, dirt, sand, clay, gravel, brick, glass, concrete with reinforcing steel and rock. Additional topsoil will be used as part of the final cover system as needed. These materials will be placed in the cross hatched areas on the above referenced Figure. Approximately 31,100 cubic yards of the 193,100 cubic yards of increased capacity are available in these areas. Alternately, MSW can be placed in this area provided an additional Subtitle D liner system is constructed in accordance with the SLQCP (Part III, Attachment 10).